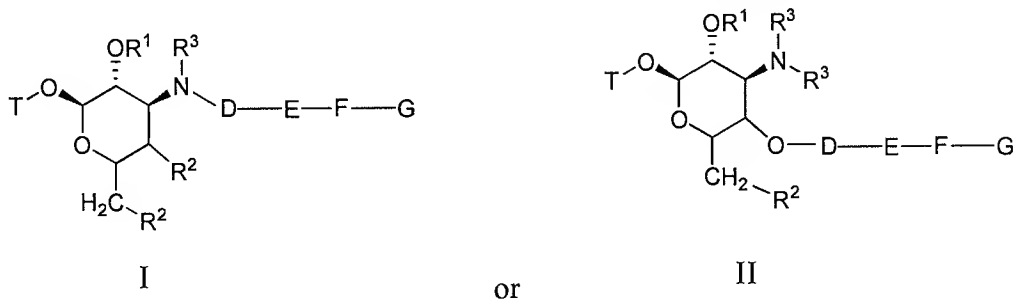


Amendments to the Claims

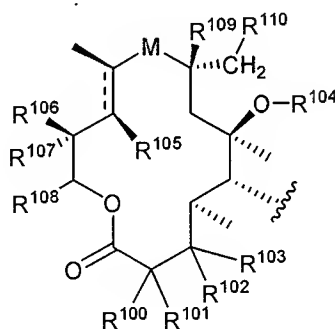
This listing of claims will replace all prior versions, and listings, of claims in the application:

1. **(Currently Amended)** A compound having the formula:



or a pharmaceutically acceptable salt, or ester thereof,
wherein

T is



wherein:

M is selected from the group consisting of:

- (a) $-C(O)-$, (b) $-CH(-OR^{114})-$, (c) $-C(=NNR^{114}R^{114})-$, (d) $-C(=NR^{114})-$, (e) $-CR^{115}R^{115}-$, (f) $-C(=NOR^{127})-$, (g) $-NR^{114}-CH_2-$, (h) $-CH_2-NR^{114}-$, (i) $CH(NR^{114}R^{114})-$, (j) $-NR^{114}-C(O)-$, and (k) $-C(O)NR^{114}-$;

R^{100} is selected from the group consisting of H and C_{1-6} alkyl;

R^{101} is selected from the group consisting of:

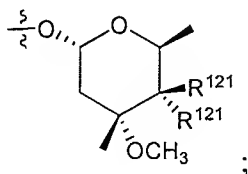
- (a) H, (b) Cl, (c) F, (d) Br, (e) I, (f) $-NR^{114}R^{114}$, (g) $-NR^{114}C(O)R^{114}$, (h) $-OR^{114}$, (i) $-OC(O)R^{114}$, (j) $-OC(O)OR^{114}$, (k) $-OC(O)NR^{114}R^{114}$, (l) $-O-C_{1-6}$ alkyl, (m) $-OC(O)-C_{1-6}$ alkyl, (n) $-OC(O)O-C_{1-6}$ alkyl, (o) $-OC(O)NR^{114}-C_{1-6}$ alkyl, (p) C_{1-6} alkyl, (q) C_{1-6} alkenyl, and (r) C_{1-6} alkynyl,

wherein any of (l) – (r) optionally is substituted with one or more R^{115} groups;

R^{102} is H;

R^{103} is selected from the group consisting of:

- (a) H, (b) $-OR^{114}$, (c) $-O-C_{1-6}$ alkyl- R^{115} , (d) $-\Theta C((\Theta)R^{114})-\underline{OC(O)R^{114}}$,
 (e) $-OC(O)-C_{1-6}$ alkyl- R^{115} , (f) $-OC(O)OR^{114}$, (g) $-OC(O)O-C_{1-6}$ alkyl- R^{115} ,
 (h) $-OC(O)NR^{114}R^{114}$, (i) $-OC(O)NR^{114}-C_{1-6}$ alkyl- R^{115} , and
 (j)



alternatively, R^{102} and R^{103} taken together form a carbonyl group;

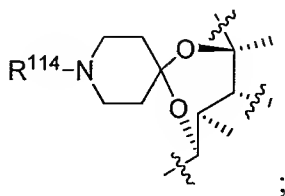
alternatively, R^{101} and R^{103} taken together are a single bond between the respective carbons to which these two groups are attached thereby creating a double bond between the carbons to which R^{100} and R^{102} are attached;

alternatively, R^{101} and R^{103} taken together are an epoxide moiety[.];

R^{104} is selected from the group consisting of:

- (a) H, (b) R^{114} , (c) $-C(O)R^{114}$, (d) $-C(O)OR^{114}$, (e) $-C(O)NR^{114}R^{114}$, (f) $-C_{1-6}$ alkyl-K- R^{114} , (g) $-C_{2-6}$ alkenyl-K- R^{114} , and (h) $-C_{2-6}$ alkynyl-K- R^{114} ;

alternatively R^{103} and R^{104} , taken together with the atoms to which they are bonded, form:



K is selected from the group consisting of:

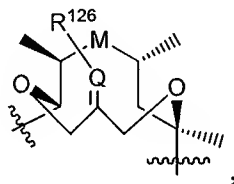
- (a) $-C(O)-$, (b) $-C(O)O-$, (c) $-C(O)NR^{114}-$, (d) $-C(=NR^{114})-$, (e) $-C(=NR^{114})O-$,
 (f) $-C(=NR^{114})NR^{114}-$, (g) $-OC(O)-$, (h) $-OC(O)O-$, (i) $-OC(O)NR^{114}-$,

(j) $-\text{NR}^{114}\text{C}(\text{O})-$, (k) $-\text{NR}^{114}\text{C}(\text{O})\text{O}-$, (l) $-\text{NR}^{114}\text{C}(\text{O})\text{NR}^{114}-$,
 (m) $-\text{NR}^{114}\text{C}(=\text{NR}^{114})\text{NR}^{114}-$, and (o) $-\text{S}(\text{O})_p-$;

R^{105} is selected from the group consisting of:

(a) R^{114} , (b) $-\text{OR}^{114}$, (c) $-\text{NR}^{114}\text{R}^{114}$, (d) $-\text{O}-\text{C}_{1-6}\text{ alkyl}-\text{R}^{115}$, (e) $-\text{C}(\text{O})-\text{R}^{114}$,
 (f) $-\text{C}(\text{O})-\text{C}_{1-6}\text{ alkyl}-\text{R}^{115}$, (g) $-\text{OC}(\text{O})-\text{R}^{114}$, (h) $-\text{OC}(\text{O})-\text{C}_{1-6}\text{ alkyl}-\text{R}^{115}$,
 (i) $-\text{OC}(\text{O})\text{O}-\text{R}^{114}$, (j) $-\text{OC}(\text{O})\text{O}-\text{C}_{1-6}\text{ alkyl}-\text{R}^{115}$, (k) $-\text{OC}(\text{O})\text{NR}^{114}\text{R}^{114}$,
 (l) $-\text{OC}(\text{O})\text{NR}^{114}-\text{C}_{1-6}\text{ alkyl}-\text{R}^{115}$, (m) $-\text{C}(\text{O})-\text{C}_{2-6}\text{ alkenyl}-\text{R}^{115}$, and
 (n) $-\text{C}(\text{O})-\text{C}_{2-6}\text{ alkynyl}-\text{R}^{115}$;

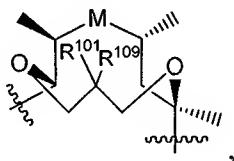
alternatively, R^{104} and R^{105} , taken together with the atoms to which they are bonded,
 form:



wherein

Q is CH or N , and R^{126} is $-\text{OR}^{114}$, $-\text{NR}^{114}$ or R^{114} ;

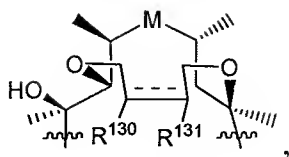
alternatively, R^{104} and R^{105} , taken together with the atoms to which they are bonded,
 form:



wherein

- i) R^{101} is as defined above;
- ii) ~~alternately~~alternatively, R^{101} and R^{109} ~~may be~~ taken together form a carbonyl group;
- iii) ~~alternately~~alternatively, R^{101} and R^{109} ~~may be~~ taken together ~~[[to~~
~~]]~~ form the group $-\text{O}(\text{CR}^{116}\text{R}^{116})_u\text{O}-$;

alternatively, R^{104} and R^{105} , taken together with the atoms to which they are bonded,
 form:



- i) R^{130} is $-\text{OH}$, $=\text{C}(\text{O})$, or R^{114} ,
- ii) R^{131} is $-\text{OH}$, $=\text{C}(\text{O})$, or R^{114} ,
- iii) ~~alternately~~alternatively, R^{130} and R^{131} together with the carbons to which they are attached form a 3-7 membered saturated, unsaturated or aromatic carbocyclic or heterocyclic ring which can optionally be substituted with one or more R^{114} groups;

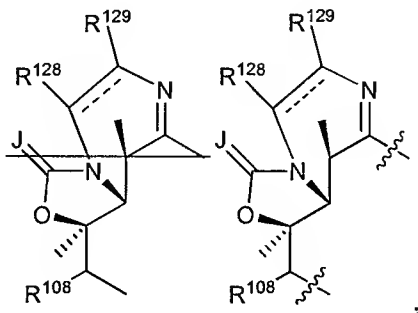
R^{106} is selected from the group consisting of:

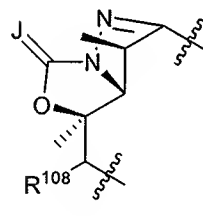
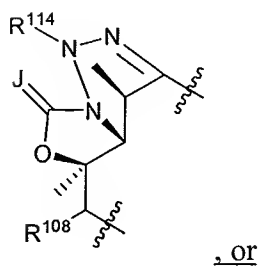
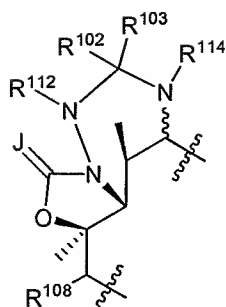
- (a) $-\text{OR}^{114}$, (b) $-\text{C}_{1-6}$ alkoxy- R^{115} , (c) $-\text{C}(\text{O})R^{114}$, (d) $-\text{OC}(\text{O})R^{114}$, (e) $-\text{OC}(\text{O})\text{OR}^{114}$, (f) $-\text{OC}(\text{O})\text{NR}^{114}R^{114}$, and (g) $-\text{NR}^{114}R^{114}$,

alternatively, R^{105} and R^{106} taken together with the atoms to which they are attached form a 5-membered ring by attachment to each other through a chemical moiety selected from the group consisting of:

- (a) $-\text{OC}(R^{115})_2\text{O}-$, (b) $-\text{OC}(\text{O})\text{O}-$, (c) $-\text{OC}(\text{O})\text{NR}^{114}-$, (d) $-\text{NR}^{114}\text{C}(\text{O})\text{O}-$, (e) $-\text{OC}(\text{O})\text{NOR}^{114}-$, (f) $-\text{NOR}^{114}-\text{C}(\text{O})\text{O}-$, (g) $-\text{OC}(\text{O})\text{NNR}^{114}R^{114}-$, (h) $-\text{NNR}^{114}R^{114}-\text{C}(\text{O})\text{O}-$, (i) $-\text{OC}(\text{O})\text{C}(R^{115})_2-$, (j) $-\text{C}(R^{115})_2\text{C}(\text{O})\text{O}-$, (k) $-\text{OC}(\text{S})\text{O}-$, (l) $-\text{OC}(\text{S})\text{NR}^{114}-\text{OC}(\text{S})\text{NR}^{114}-$, (m) $-\text{NR}^{114}\text{C}(\text{S})\text{O}-$, (n) $-\text{OC}(\text{S})\text{NOR}^{114}-$, (o) $-\text{NOR}^{114}-\text{C}(\text{S})\text{O}-$, (p) $-\text{OC}(\text{S})\text{NNR}^{114}R^{114}-$, (q) $-\text{NNR}^{114}R^{114}-\text{C}(\text{S})\text{O}-$, (r) $-\text{OC}(\text{S})\text{C}(R^{115})_2-$, and (s) $-\text{C}(R^{115})_2\text{C}(\text{S})\text{O}-$;

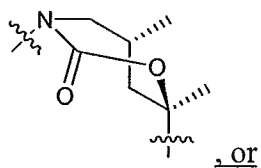
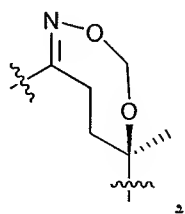
alternatively, M, R^{105} , and R^{106} taken together with the atoms to which they are attached form:

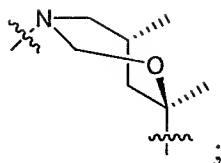




wherein J is selected from the group consisting of O, S and NR^{114} ;

alternatively, M and R^{104} taken together with the atoms to which they are attached form:





R^{107} is selected from the group consisting of:

(a) H, (b) $-C_{1-4}$ alkyl, (c) $-C_{2-4}$ alkenyl, which can be further substituted with C_{1-12} alkyl or one or more halogens, (d) $-C_{2-4}$ alkynyl, which can be further substituted with C_{1-12} alkyl or one or more halogens, (e) aryl or heteroaryl, which can be further substituted with C_{1-12} alkyl or one or more halogens, (f) $-C(O)H$, (g) $-COOH$, (h) $-CN$, (i) $-COOR^{114}$, (j) $-C(O)NR^{114}R^{114}$, (k) $-C(O)R^{114}$, and (l) $-C(O)SR^{114}$, wherein (b) is further substituted with one or more substituents selected from the group consisting of (aa) $-OR^{114}$, (bb) halogen, (cc) $-SR^{114}$, (dd) C_{1-12} alkyl, which can be further substituted with halogen, hydroxyl, C_{1-6} alkoxy, or amino, (ee) $-OR^{114}$, (ff) $-SR^{114}$, (gg) $-NR^{114}R^{114}$, (hh) $-CN$, (ii) $-NO_2$, (jj) $-NC(O)R^{114}$, (kk) $-COOR^{114}$, (ll) $-N_3$, (mm) $=N-O-R^{114}$, (nn) $=NR^{114}$, (oo) $=N-NR^{114}R^{114}$, (pp) $=N-NH-C(O)R^{114}$, and (qq) $=N-NH-C(O)NR^{114}R^{114}$;

alternatively R^{106} and R^{107} are taken together with the atom to which they are attached to form an epoxide, a carbonyl, an olefin, or a substituted olefin, or a C_3 - C_7 carbocyclic, carbonate, or carbamate, wherein the nitrogen of said carbamate can be further substituted with a C_1 - C_6 alkyl;

R^{108} is selected from the group consisting of:

(a) C_{1-6} alkyl, (b) C_{2-6} alkenyl, and (c) C_{2-6} alkynyl,

wherein any of (a)-(c) optionally is substituted with one or more R^{114} groups;

R^{111} is selected from the group consisting of H and $-C(O)R^{114}$;

R^{112} is selected from the group consisting of H, OH, and OR^{114} ;

R^{113} is selected from the group consisting of:

(a) H, (b) R^{114} , (c) $-C_{1-6}$ alkyl $-K-R^{114}$, (d) $-C_{2-6}$ alkenyl $-K-R^{114}$, and (e) $-C_{2-6}$ alkynyl $-K-R^{114}$;

wherein any of (c)-(e) optionally is substituted with one or more R^{115} groups;

R^{114} , at each occurrence, independently is selected from the group consisting of:

(a) H, (b) C_{1-6} alkyl, (c) C_{2-6} alkenyl, (d) C_{2-6} alkynyl, (e) C_{6-10} saturated, unsaturated, or aromatic carbocycle, (f) 3-12 membered saturated, unsaturated, or aromatic heterocycle containing one or more heteroatoms selected from the group consisting of nitrogen, oxygen, and sulfur, (g) $-C(O)-C_{1-6}$ alkyl, (h) $-C(O)-C_{2-6}$ alkenyl, (i) $-C(O)-C_{2-6}$ alkynyl, (j) $-C(O)-C_{6-10}$ saturated, unsaturated, or aromatic carbocycle, (k) $-C(O)-3-12$ membered saturated, unsaturated, or aromatic heterocycle containing one or more heteroatoms selected from the group consisting of nitrogen, oxygen, and sulfur, (l) $-C(O)O-C_{1-6}$ alkyl, (m) $-C(O)O-C_{2-6}$ alkenyl, (n) $-C(O)O-C_{2-6}$ alkynyl, (o) $-C(O)O-C_{6-10}$ saturated, unsaturated, or aromatic carbocycle, (p) $-C(O)O-3-12$ membered saturated, unsaturated, or aromatic heterocycle containing one or more heteroatoms selected from the group consisting of nitrogen, oxygen, and sulfur, and (q) $-C(O)NR^{116}R^{116}$,

wherein any of (b)–(p) optionally is substituted with one or more R^{115} groups, wherein one or more non-terminal carbon moieties of any of (b)–(d) optionally is replaced with oxygen, $S(O)_p$, or $-NR^{116}[[.]]$;

alternatively, $NR^{114}R^{114}$ forms a 3-7 membered saturated, unsaturated or aromatic ring including the nitrogen atom to which the R^{114} groups are bonded and optionally one or more moieties selected from the group consisting of O, $S(O)_p$, N, and NR^{118} ;

R^{115} is selected from the group consisting of:

(a) R^{117} , (b) C_{1-8} alkyl, (c) C_{2-8} alkenyl, (d) C_{2-8} alkynyl, (e) C_{3-12} saturated, unsaturated, or aromatic carbocycle, and (f) 3-12 membered saturated, unsaturated, or aromatic heterocycle containing one or more heteroatoms selected from the group consisting of nitrogen, oxygen, and sulfur,

wherein any of (b)–(f) optionally is substituted with one or more R^{117} groups;

R^{116} , at each occurrence, independently is selected from the group consisting of:

(a) H, (b) C_{1-6} alkyl, (c) C_{2-6} alkenyl, (d) C_{2-6} alkynyl, (e) C_{3-10} saturated, unsaturated, or aromatic carbocycle, and (f) 3-10 membered saturated, unsaturated, or aromatic heterocycle containing one or more heteroatoms selected from the group consisting of nitrogen, oxygen, and sulfur,

wherein one or more non-terminal carbon moieties of any of (b)–(d) optionally is replaced with oxygen, $S(O)_p$, or $-NR^{114}[[.]]_1$, wherein any of (b)–(f) optionally is substituted with one or more moieties selected from the group consisting of:

(aa) carbonyl, (bb) formyl, (cc) F, (dd) Cl, (ee) Br, (ff) I, (gg) CN, (hh) N_3 , (ii) $NO_2[[.]]_1$, (jj) OR^{118} , (kk) $-S(O)_pR^{118}$, (ll) $-C(O)R^{118}$, (mm) $-C(O)OR^{118}$, (nn) $-OC(O)R^{118}$, (oo) $-C(O)NR^{118}R^{118}$, (pp) $-OC(O)NR^{118}R^{118}$, (qq) $-C(=NR^{118})R^{118}$, (rr) $-C(R^{118})(R^{118})OR^{118}$, (ss) $-C(R^{118})_2OC(O)R^{118}$, (tt) $-C(R^{118})(OR^{118})(CH_2)_rNR^{118}R^{118}$, (uu) $-NR^{118}R^{118}[[.]]_1$, (vv) $-NR^{118}OR^{118}$, (ww) $-NR^{118}C(O)R^{118}$, (xx) $-NR^{118}C(O)OR^{118}$, (yy) $-NR^{118}C(O)NR^{118}R^{118}$, (zz) $-NR^{118}S(O)_rR^{118}$, (ab) $-C(OR^{118})(OR^{118})R^{118}$, (ac) $-C(R^{118})_2NR^{118}R^{118}$, (ad) $=NR^{118}$, (ae) $-C(S)NR^{118}R^{118}$, (af) $-NR^{118}C(S)R^{118}$, (ag) $-OC(S)NR^{118}R^{118}$, (ah) $-NR^{118}C(S)OR^{118}$, (ai) $-NR^{118}C(S)NR^{118}R^{118}$, (aj) $-SC(O)R^{118}$, (ak) C_{1-8} alkyl, (al) C_{2-8} alkenyl, (am) C_{2-8} alkynyl, (an) C_{1-8} alkoxy, (ao) C_{1-8} alkylthio, (ap) C_{1-8} acyl, (aq) saturated, unsaturated, or aromatic C_{3-10} carbocycle, and (ar) saturated, unsaturated, or aromatic 3-10 membered heterocycle containing one or more heteroatoms selected from the group consisting of nitrogen, oxygen, and sulfur,

alternatively, $NR^{116}R^{116}$ forms a 3-10 membered saturated, unsaturated or aromatic ring including the nitrogen atom to which the R^{116} groups are attached and optionally one or more moieties selected from the group consisting of O, $S(O)_p$, N, and NR^{118} ;

alternatively, $CR^{116}R^{116}$ forms a carbonyl group;

R^{117} , at each occurrence, is selected from the group consisting of:

(a) H, (b) $=O$, (c) F, (d) Cl, (e) Br, (f) I, (g) $(CR^{116}R^{116})_rCF_3$, (h) $(CR^{116}R^{116})_rCN$, (i) $(CR^{116}R^{116})_rNO_2(CR^{116}R^{116})_rNO_2$, (j) $(CR^{116}R^{116})_rNR^{116}(CR^{116}R^{116})_tR^{119}$, (k) $(CR^{116}R^{116})_rOR^{119}$, (l) $(CR^{116}R^{116})_rS(O)_p(CR^{116}R^{116})_tR^{119}$, (m) $(CR^{116}R^{116})_rC(O)(CR^{116}R^{116})_tR^{119}$, (n) $(CR^{116}R^{116})_rOC(O)(CR^{116}R^{116})_tR^{119}$, (o) $(CR^{116}R^{116})_rSC(O)(CR^{116}R^{116})_tR^{119}$, (p) $(CR^{116}R^{116})_rC(O)O(CR^{116}R^{116})_tR^{119}$, (q) $(CR^{116}R^{116})_rNR^{116}C(O)(CR^{116}R^{116})_tR^{119}$,

(r) $(\text{CR}^{116}\text{R}^{116})_r\text{C}(\text{O})\text{NR}^{116}(\text{CR}^{116}\text{R}^{116})_t\text{R}^{119}$, (s) $(\text{CR}^{116}\text{R}^{116})_r\text{C}(=\text{NR}^{116})(\text{CR}^{116}\text{R}^{116})_t\text{R}^{119}$, (t) $(\text{CR}^{116}\text{R}^{116})_r\text{C}(=\text{NNR}^{116}\text{R}^{116})(\text{CR}^{116}\text{R}^{116})_t\text{R}^{119}$, (u) $(\text{CR}^{116}\text{R}^{116})_r\text{C}(=\text{NNR}^{116}\text{C}(\text{O})\text{R}^{116})(\text{CR}^{116}\text{R}^{116})_t\text{R}^{119}$, (v) $(\text{CR}^{116}\text{R}^{116})_r\text{C}(=\text{NOR}^{119})(\text{CR}^{116}\text{R}^{116})_t\text{R}^{119}$, (w) $(\text{CR}^{116}\text{R}^{116})_r\text{NR}^{116}\text{C}(\text{O})\text{O}(\text{CR}^{116}\text{R}^{116})_t\text{R}^{119}$, (x) $(\text{CR}^{116}\text{R}^{116})_r\text{OC}(\text{O})\text{NR}^{116}(\text{CR}^{116}\text{R}^{116})_t\text{R}^{119}$, (y) $(\text{CR}^{116}\text{R}^{116})_r\text{NR}^{116}\text{C}(\text{O})\text{NR}^{116}(\text{CR}^{116}\text{R}^{116})_t\text{R}^{119}$, (z) $(\text{CR}^{116}\text{R}^{116})_r\text{NR}^{116}\text{S}(\text{O})_p(\text{CR}^{116}\text{R}^{116})_t\text{R}^{119}$, (aa) $(\text{CR}^{116}\text{R}^{116})_r\text{S}(\text{O})_p\text{NR}^{116}(\text{CR}^{116}\text{R}^{116})_t\text{R}^{119}$, (bb) $(\text{CR}^{116}\text{R}^{116})_r\text{NR}^{116}\text{S}(\text{O})_p\text{NR}^{116}(\text{CR}^{116}\text{R}^{116})_t\text{R}^{119}$, (cc) $(\text{CR}^{116}\text{R}^{116})_r\text{NR}^{116}\text{R}^{116}$, (dd) C_{1-6} alkyl, (ee) C_{2-6} alkenyl, (ff) C_{2-6} alkynyl, (gg) $(\text{CR}^{116}\text{R}^{116})_r\text{C}_{3-10}$ saturated, unsaturated, or aromatic carbocycle, and (hh) $(\text{CR}^{116}\text{R}^{116})_r\text{C}_{3-10}$ membered saturated, unsaturated, or aromatic heterocycle containing one or more heteroatoms selected from the group consisting of nitrogen, oxygen, and sulfur, wherein any of (dd)–(hh) optionally is substituted with one or more R^{119} groups;

alternatively, two R^{117} groups [[may]] form $-\text{O}(\text{CH}_2)_u\text{O}-$;

R^{118} is selected from the group consisting of:

(a) H, (b) C_{1-6} alkyl, (c) C_{2-6} alkenyl, (d) C_{2-6} alkynyl, (e) C_{3-10} saturated, unsaturated, or aromatic carbocycle, (f) 3-10 membered saturated, unsaturated, or aromatic heterocycle containing one or more heteroatoms selected from the group consisting of nitrogen, oxygen, and sulfur, (g) $-\text{C}(\text{O})-\text{C}_{1-6}$ alkyl, (h) $-\text{C}(\text{O})-\text{C}_{1-6}$ alkenyl, (i) $-\text{C}(\text{O})-\text{C}_{1-6}$ alkynyl, (j) $-\text{C}(\text{O})-\text{C}_{3-10}$ saturated, unsaturated, or aromatic carbocycle, and (k) $-\text{C}(\text{O})-3-10$ membered saturated, unsaturated, or aromatic heterocycle containing one or more heteroatoms selected from the group consisting of nitrogen, oxygen, and sulfur,

wherein any of (b)–(j) optionally is substituted with one or more moieties selected from the group consisting of [[]]: (aa) H, (bb) F, (cc) Cl, (dd) Br, (ee) I, (ff) CN, (gg) NO_2 , (hh) OH, (ii) NH_2 , (jj) $\text{NH}(\text{C}_{1-6} \text{ alkyl})$, (kk) $\text{N}(\text{C}_{1-6} \text{ alkyl})_2$, (ll) C_{1-6} alkoxy, (mm) aryl, (nn) substituted aryl, (oo) heteroaryl, (pp) substituted heteroaryl, and (qq) C_{1-6} alkyl, optionally

substituted with one or more moieties selected from the group consisting of aryl, substituted aryl, heteroaryl, substituted heteroaryl, F, Cl, Br, I, CN, NO₂, and OH;

R¹¹⁹, at each occurrence, independently is selected from the group consisting of:

- (a) R¹²⁰, (b) C₁₋₆ alkyl, (c) C₂₋₆ alkenyl, (d) C₂₋₆ alkynyl, (e) C₃₋₁₀ saturated, unsaturated, or aromatic carbocycle, and (f) 3-10 membered saturated, unsaturated, or aromatic heterocycle containing one or more heteroatoms selected from the group consisting of nitrogen, oxygen, and sulfur;

~~wherein any of (b)–(f) optionally is substituted with one or more R¹¹⁹ groups;~~

R¹²⁰, at each occurrence, independently is selected from the group consisting of:

- (a) H, (b) =O, (c) F, (d) Cl, (e) Br, (f) I, (g) (CR¹¹⁶R¹¹⁶)_rCF₃, (h) (CR¹¹⁶R¹¹⁶)_rCN, (i) (CR¹¹⁶R¹¹⁶)_rNO₂, (j) (CR¹¹⁶R¹¹⁶)_rNR¹¹⁶R¹¹⁶, (k) (CR¹¹⁶R¹¹⁶)_rOR¹¹⁴, (l) (CR¹¹⁶R¹¹⁶)_rS(O)_pR¹¹⁶, (m) (CR¹¹⁶R¹¹⁶)_rC(O)R¹¹⁶, (n) (CR¹¹⁶R¹¹⁶)_rC(O)OR¹¹⁶, (o) (CR¹¹⁶R¹¹⁶)_rOC(O)R¹¹⁶, (p) (CR¹¹⁶R¹¹⁶)_rNR¹¹⁶C(O)R¹¹⁶, (q) (CR¹¹⁶R¹¹⁶)_rC(O)NR¹¹⁶R¹¹⁶, (r) (CR¹¹⁶R¹¹⁶)_rC(=NR¹¹⁶)R¹¹⁶, (s) (CR¹¹⁶R¹¹⁶)_rNR¹¹⁶C(O)NR¹¹⁶R¹¹⁶, (t) (CR¹¹⁶R¹¹⁶)_rNR¹¹⁶S(O)_pR¹¹⁶, (u) (CR¹¹⁶R¹¹⁶)_rS(O)_pNR¹¹⁶R¹¹⁶, (v) (CR¹¹⁶R¹¹⁶)_rNR¹¹⁶S(O)_pNR¹¹⁶R¹¹⁶, (w) C₁₋₆ alkyl, (x) C₂₋₆ alkenyl, (y) C₂₋₆ alkynyl, (z) (CR¹¹⁶R¹¹⁶)_r–C₃₋₁₀ saturated, unsaturated, or aromatic carbocycle, and (aa) (CR¹¹⁶R¹¹⁶)_r–3-10 membered saturated, unsaturated, or aromatic heterocycle containing one or more heteroatoms selected from the group consisting of nitrogen, oxygen, and sulfur,

wherein any of (w)–(aa) optionally is substituted with one or more moieties selected from the group consisting of R¹¹⁶, F, Cl, Br, I, CN, NO₂, –OR¹¹⁶, –NH₂, –NH(C₁₋₆ alkyl), –N(C₁₋₆ alkyl)₂, C₁₋₆ alkoxy, C₁₋₆ alkylthio, and C₁₋₆ acyl;

R¹²¹, at each occurrence, independently is selected from the group consisting of:

- (a) H, (b) –OR¹¹⁸, (c) –O–C₁₋₆ alkyl–OC(O)R¹¹⁸, (d) –O–C₁₋₆ alkyl–OC(O)OR¹¹⁸, (e) –O–C₁₋₆ alkyl–OC(O)NR¹¹⁸R¹¹⁸, (f) –O–C₁₋₆ alkyl–C(O)NR¹¹⁸R¹¹⁸, (g) –O–C₁₋₆ alkyl–NR¹¹⁸C(O)R¹¹⁸, (h) –O–C₁₋₆ alkyl–NR¹¹⁸C(O)OR¹¹⁸, (i) –O–C₁₋₆ alkyl–

$\text{NR}^{118}\text{C}(\text{O})\text{NR}^{118}\text{R}^{118}$, (j) $-\text{O}-\text{C}_{1-6}\text{ alkyl}-\text{NR}^{118}\text{C}(\text{=N}(\text{H})\text{NR}^{118}\text{R}^{118})$, (k) $-\text{O}-\text{C}_{1-6}\text{ alkyl}-\text{S}(\text{O})_p\text{R}^{118}$, (l) $-\text{O}-\text{C}_{2-6}\text{ alkenyl}-\text{OC}(\text{O})\text{R}^{118}$, (m) $-\text{O}-\text{C}_{2-6}\text{ alkenyl}-\text{OC}(\text{O})\text{OR}^{118}$, (n) $-\text{O}-\text{C}_{2-6}\text{ alkenyl}-\text{OC}(\text{O})\text{NR}^{118}\text{R}^{118}$, (o) $-\text{O}-\text{C}_{2-6}\text{ alkenyl}-\text{C}(\text{O})\text{NR}^{118}\text{R}^{118}$, (p) $-\text{O}-\text{C}_{2-6}\text{ alkenyl}-\text{NR}^{118}\text{C}(\text{O})\text{R}^{118}$, (q) $-\text{O}-\text{C}_{2-6}\text{ alkenyl}-\text{NR}^{118}\text{C}(\text{O})\text{OR}^{118}$, (r) $-\text{O}-\text{C}_{2-6}\text{ alkenyl}-\text{NR}^{118}\text{C}(\text{O})\text{NR}^{118}\text{R}^{118}$, (s) $-\text{O}-\text{C}_{2-6}\text{ alkenyl}-\text{NR}^{118}\text{C}(\text{=N}(\text{H})\text{NR}^{118}\text{R}^{118})$, (t) $-\text{O}-\text{C}_{2-6}\text{ alkenyl}-\text{S}(\text{O})_p\text{R}^{118}$,
 (u) $-\text{O}-\text{C}_{2-6}\text{ alkynyl}-\text{OC}(\text{O})\text{R}^{118}$, (v) $-\text{O}-\text{C}_{2-6}\text{ alkynyl}-\text{OC}(\text{O})\text{OR}^{118}$,
 (w) $-\text{O}-\text{C}_{2-6}\text{ alkynyl}-\text{OC}(\text{O})\text{NR}^{118}\text{R}^{118}$, (x) $-\text{O}-\text{C}_{2-6}\text{ alkynyl}-\text{C}(\text{O})\text{NR}^{118}\text{R}^{118}$, (y) $-\text{O}-\text{C}_{2-6}\text{ alkynyl}-\text{NR}^{118}\text{C}(\text{O})\text{R}^{118}$, (z) $-\text{O}-\text{C}_{2-6}\text{ alkynyl}-\text{NR}^{118}\text{C}(\text{O})\text{OR}^{118}$, (aa) $-\text{O}-\text{C}_{2-6}\text{ alkynyl}-\text{NR}^{118}\text{C}(\text{O})\text{NR}^{118}\text{R}^{118}$,
 (bb) $-\text{O}-\text{C}_{2-6}\text{ alkynyl}-\text{NR}^{118}\text{C}(\text{=N}(\text{H})\text{NR}^{118}\text{R}^{118})$, (cc) $-\text{O}-\text{C}_{2-6}\text{ alkynyl}-\text{S}(\text{O})_p\text{R}^{118}$ [[:]], and (dd) $-\text{NR}^{118}\text{R}^{118}$;

alternatively, two R^{121} groups taken together form $=\text{O}$, $=\text{NOR}^{118}$, or $=\text{NNR}^{118}\text{R}^{118}$,
 R^{122} is R^{115} ;

R^{123} is selected from the group consisting of:

(a) R^{116} , (b) F, (c) Cl, (d) Br, (e) I, (f) CN, (g) NO_2 , and (h) $-\text{OR}^{114}$;

alternatively, R^{122} and R^{123} taken together are $-\text{O}(\text{CH}_2)_u\text{O}-$;

R^{124} , at each occurrence, independently is selected from the group consisting of:

(a) H, (b) F, (c) Cl, (d) Br, (e) I, (f) CN, (g) $-\text{OR}^{114}$, (h) $-\text{NO}_2$, (i) $-\text{NR}^{114}\text{R}^{114}$, (j) $\text{C}_{1-6}\text{ alkyl}$, (k) $\text{C}_{1-6}\text{ acyl}$, and (l) $\text{C}_{1-6}\text{ alkoxy}$;

R^{125} is selected from the group consisting of:

(a) $\text{C}_{1-6}\text{ alkyl}$, (b) $\text{C}_{2-6}\text{ alkenyl}$, (c) $\text{C}_{2-6}\text{ alkynyl}$, (d) $\text{C}_{1-6}\text{ acyl}$, (e) $\text{C}_{1-6}\text{ alkoxy}$,
 (f) $\text{C}_{1-6}\text{ alkylthio}$, (g) saturated, unsaturated, or aromatic $\text{C}_{5-10}\text{ carbocycle}$,
 (h) saturated, unsaturated, or aromatic 5-10 membered heterocycle containing one or more heteroatoms selected from the group consisting of nitrogen, oxygen, and sulfur, (i) $-\text{O}-\text{C}_{1-6}\text{ alkyl}$ saturated, unsaturated, or aromatic 5-10 membered heterocycle containing one or more heteroatoms selected from the group consisting of nitrogen, oxygen, and sulfur, (j) $-\text{NR}^{114}-\text{C}_{1-6}\text{ alkyl}$ saturated, unsaturated, or aromatic 5-10 membered heterocycle containing one or more heteroatoms selected from the group consisting of nitrogen, oxygen, and sulfur, (k) saturated, unsaturated, or aromatic 10 membered bicyclic ring system

~~optionally containing one or more heteroatoms selected from the group consisting of nitrogen, oxygen, and sulfur, (l) saturated, unsaturated, or aromatic 13-membered tricyclic ring system optionally containing one or more heteroatoms selected from the group consisting of nitrogen, oxygen, and sulfur, (m) OR^{114} , (n) $\text{NR}^{114}\text{R}^{114}$, (o) $\text{S(O)}_p\text{R}^{114}$, and (p) R^{124} ,~~

~~wherein any of (a) (l) optionally is substituted with one or more R^{115} groups;~~

~~alternatively, R^{125} and one R^{124} group, taken together with the atoms to which they are bonded, form a 5-7 membered saturated or unsaturated carbocycle, optionally substituted with one or more R^{115} groups; or a 5-7 membered saturated or unsaturated heterocycle containing one or more atoms selected from the group consisting of nitrogen, oxygen, and sulfur, and optionally substituted with one or more R^{115} groups;~~

~~R^{126} at each occurrence, independently is selected from the group consisting of:~~

~~(a) hydrogen, (b) an electron withdrawing group, (c) aryl, (d) substituted aryl, (e) heteroaryl, (f) substituted heteroaryl, and (g) C_{1-6} alkyl, optionally substituted with one or more R^{115} groups;~~

~~alternatively, any R^{126} and any R^{123} , taken together with the atoms to which they are bonded, form a 5-7 membered saturated or unsaturated carbocycle, optionally substituted with one or more R^{115} groups; or a 5-7 membered saturated or unsaturated heterocycle containing one or more atoms selected from the group consisting of nitrogen, oxygen, and sulfur, and optionally substituted with one or more R^{115} groups;~~

R^{109} is H or F;

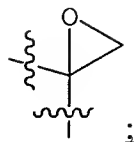
R^{127} is R^{114} , a monosaccharide or disaccharide (including amino sugars and halo sugar(s)), $-(\text{CH}_2)_n-(\text{O}-\text{CH}_2\text{CH}_2-)_m-\text{O}(\text{CH}_2)_p\text{CH}_3$, or $-(\text{CH}_2)_n-(\text{O}-\text{CH}_2\text{CH}_2-)_m-\text{OH}$;

R^{128} is R^{114}_1 ;

R^{129} is R^{114}_2 ;

R^{110} is R^{114}_2 ;

[[A]] alternatively, R^{109} and R^{110} taken together with the carbons to which they are attached form:



~~Alternately~~alternatively, R^{128} and R^{129} together with the carbons to which they are attached form a 3-6 membered saturated, unsaturated or aromatic carbocyclic or heterocyclic ring which ~~[[may]]~~optionally be substituted with one or more R^{114} groups;

m, at each occurrence is 0, 1, 2, 3, 4, or 5;

n, at each occurrence is 1, 2, or 3;

R^1 and R^3 independently are selected from the group consisting of: (a) H, (b) a C_{1-6} alkyl group, (c) a C_{2-6} alkenyl group, (d) a C_{2-6} alkynyl group, (e) $-C(O)R^5$, (f) $-C(O)OR^5$, ~~(g) $-C(O)NR^4R^4R^4R^4$, [[(h)]]~~(g) $-C(S)R^5$, ~~[[[(i)]]~~(h) $-C(S)OR^5$, and ~~[[[(j)]]~~(i) $-C(O)SR^5$, ~~or (k) $-C(S)NR^4R^4R^4R^4$;~~

R^2 is hydrogen or $-OR^{12}$;

D is a C_{1-6} alkyl group;

F is selected from the group consisting of:

(a) a single bond, (b) a C_{1-6} alkyl group, (c) a C_{2-6} alkenyl group, and (d) a C_{2-6} alkynyl group, wherein

- i) 0-2 carbon atoms in any of (b)–(d) of F immediately above optionally is replaced by a moiety selected from the group consisting of O, $S(O)_p$, and NR^4 ,
- ii) any of (b)–(d) of F immediately above optionally is substituted with one or more R^5 groups, and
- iii) any of (b)–(d) of F immediately above optionally is substituted with C_{1-6} alkyl- R^5 groups;

E is 1,2,3-triazolyl wherein

said 1,2,3-triazolyl immediately above optionally is substituted with one or more R^5 groups;

G is selected from the group consisting of: (a) B' and (b) $B'-Z-B''$, wherein

- i) each B' and B'' is independently selected from the group consisting of: (aa) an aryl group, (bb) a heteroaryl group, (cc) a biaryl group,

(dd) a fused bicyclic or tricyclic saturated, unsaturated or aromatic ring system optionally containing one or more heteroatoms selected from the group consisting of nitrogen, oxygen, and sulfur, (ee) a 3-10 membered saturated or unsaturated heterocycle containing one or more heteroatoms selected from the group consisting of nitrogen, oxygen, and sulfur, and (ff) a 3-10 membered saturated, or unsaturated carbocycle, wherein each (aa)-(ff) optionally is substituted with one or more R^{11} groups; and

ii) Z is selected from the group consisting of:

(aa) a single bond, (bb) a C_{1-2} alkyl group, (cc) a C_2 alkenyl group, (dd) a C_2 alkynyl group, (ee) $-C(O)-$, (ff) $-C(O)O-$, (gg) $-C(O)NR^4-$, (hh) $-C(=NR^4)-$, (ii) $-C(=NR^4)O-$, (jj) $-C(=NR^4)NR^4-$, (kk) $-S(O)_p-$, (ll) $-OC(O)-$, (mm) $-C(S)-$, (nn) $-C(S)NR^4-$, (oo) $-C(NR^4)S-$, (pp) $-C(O)S-$, (qq) $-O-$, (rr) $-NR^4-$, (ss) $-NR^4C(O)-$, (tt) $-OC(NR^4)-$, (uu) $-NC(NR^4)-$, (vv) $-C(S)O-$, (ww) $-SC(O)-$, [[or]]and (xx) $-OC(S)-$;

R^4 , at each occurrence, independently is selected from the group consisting of:

(a) H, (b) a C_{1-6} alkyl group, (c) a C_{2-6} alkenyl group, (d) a C_{2-6} alkynyl group, (e) a C_{6-10} saturated, unsaturated, or aromatic carbocycle, (f) a 3-12 membered saturated, unsaturated, or aromatic heterocycle containing one or more heteroatoms selected from the group consisting of nitrogen, oxygen, and sulfur, (g) $-C(O)-C_{1-6}$ alkyl, (h) $-C(O)-C_{2-6}$ alkenyl, (i) $-C(O)-C_{2-6}$ alkynyl, (j) $-C(O)-C_{6-10}$ saturated, unsaturated, or aromatic carbocycle, (k) $-C(O)-3-12$ membered saturated, unsaturated, or aromatic heterocycle containing one or more heteroatoms selected from the group consisting of nitrogen, oxygen, and sulfur, (l) $-C(O)O-C_{1-6}$ alkyl, (m) $-C(O)O-C_{2-6}$ alkenyl, (n) $-C(O)O-C_{2-6}$ alkynyl, (o) $-C(O)O-C_{6-10}$ saturated, unsaturated, or aromatic carbocycle, (p) $-C(O)O-3-12$ membered saturated, unsaturated, or aromatic heterocycle containing one or more heteroatoms selected from the group consisting of nitrogen, oxygen, and sulfur, and q) $-C(O)NR^6R^6$,

wherein any of (b)-(p) optionally is substituted with one or more R^5

groups[[,]];

alternatively, NR^4R^4 forms a 3-7 membered saturated, unsaturated or aromatic ring including the nitrogen atom to which the R^4 groups are bonded, wherein said ring is optionally substituted at a position other than the nitrogen atom to which the R^4 groups are bonded, with one or more moieties selected from the group consisting of O, $\text{S}(\text{O})_p$, N, and NR^8 ;

R^5 is selected from the group consisting of:

(a) R^7 , (b) a C_{1-8} alkyl group, (c) a C_{2-8} alkenyl group, (d) a C_{2-8} alkynyl group, (e) a C_{3-12} saturated, unsaturated, or aromatic carbocycle, and (f) a 3-12 membered saturated, unsaturated, or aromatic heterocycle containing one or more heteroatoms selected from the group consisting of nitrogen, oxygen, and sulfur, or two R^5 groups, when present on the same carbon atom can be taken together with the carbon atom to which they are attached to form a spiro 3-6 membered carbocyclic ring or heterocyclic ring containing one or more heteroatoms selected from the group consisting of nitrogen, oxygen, and sulfur[[,]].

wherein any of (b)–(f) immediately above optionally is substituted with one or more R^7 groups;

R^6 , at each occurrence, independently is selected from the group consisting of:

(a) H, (b) a C_{1-6} alkyl group, (c) a C_{2-6} alkenyl group, (d) a C_{2-6} alkynyl group, (e) a C_{3-10} saturated, unsaturated, or aromatic carbocycle, and (f) a 3-10 membered saturated, unsaturated, or aromatic heterocycle containing one or more heteroatoms selected from the group consisting of nitrogen, oxygen, and sulfur, wherein any of (b)–(f) optionally is substituted with one or more moieties selected from the group consisting of:

(aa) a carbonyl group, (bb) a formyl group, (cc) F, (dd) Cl, (ee) Br, (ff) I, (gg) CN, (hh) NO_2 , (ii) $-\text{OR}^8$, (jj) $-\text{S}(\text{O})_p\text{R}^8$, (kk) $-\text{C}(\text{O})\text{R}^8$, (ll) $-\text{C}(\text{O})\text{OR}^8$, (mm) $-\text{OC}(\text{O})\text{R}^8$, (nn) $-\text{C}(\text{O})\text{NR}^8\text{R}^8$, (oo) $-\text{OC}(\text{O})\text{NR}^8\text{R}^8$, (pp) $-\text{C}(=\text{NR}^8)\text{R}^8$, (qq) $-\text{C}(\text{R}^8)(\text{R}^8)\text{OR}^8$, (rr) $-\text{C}(\text{R}^8)_2\text{OC}(\text{O})\text{R}^8$, (ss) $-\text{C}(\text{R}^8)(\text{OR}^8)(\text{CH}_2)_t\text{NR}^8\text{R}^8$, (tt) $-\text{NR}^8\text{R}^8$, (uu) $-\text{NR}^8\text{OR}^8$, (vv) $-\text{NR}^8\text{C}(\text{O})\text{R}^8$,

C₃₋₁₀ saturated, unsaturated, or aromatic carbocycle, and (oo) 3-10 membered saturated, unsaturated, or aromatic heterocycle containing one or more heteroatoms selected from the group consisting of nitrogen, oxygen, and sulfur, wherein any of (kk)–(oo) optionally is substituted with one or more R⁹ groups;

alternatively, two R⁷ groups [[may]]form –O(CH₂)_uO–;

R⁸ is selected from the group consisting of:

(a) R⁵, (b) H, (c) a C₁₋₆ alkyl group, (d) a C₂₋₆ alkenyl group, (e) a C₂₋₆ alkynyl group, (f) a C₃₋₁₀ saturated, unsaturated, or aromatic carbocycle, (g) a 3-10 membered saturated, unsaturated, or aromatic heterocycle containing one or more heteroatoms selected from the group consisting of nitrogen, oxygen, and sulfur, (h) –C(O)–C₁₋₆ alkyl, (i) –C(O)–C₁₋₆ alkenyl, (j) –C(O)–C₁₋₆ alkynyl, (k) –C(O)–C₃₋₁₀ saturated, unsaturated, or aromatic carbocycle, and (l) –C(O)–3-10 membered saturated, unsaturated, or aromatic heterocycle containing one or more heteroatoms selected from the group consisting of nitrogen, oxygen, and sulfur, wherein any of (c)–(k) optionally is substituted with one or more moieties selected from the group consisting of [[]]: (aa) H, (bb) F, (cc) Cl, (dd) Br, (ee) I, (ff) CN, (gg) NO₂, (hh) OH, (ii) NH₂, (jj) NH(C₁₋₆ alkyl), (kk) N(C₁₋₆ alkyl)₂, (ll) a C₁₋₆ alkoxy group, (mm) an aryl group, (nn) a substituted aryl group, (oo) a heteroaryl group, (pp) a substituted heteroaryl group, and qq) a C₁₋₆ alkyl group optionally substituted with one or more moieties selected from the group consisting of an aryl group, a substituted aryl group, a heteroaryl group, a substituted heteroaryl group, F, Cl, Br, I, CN, NO₂, CF₃, SCF₃, and OH;

R⁹, at each occurrence, independently is selected from the group consisting of:

(a) R¹⁰, (b) a C₁₋₆ alkyl group, (c) a C₂₋₆ alkenyl group, (d) a C₂₋₆ alkynyl group, (e) a C₃₋₁₀ saturated, unsaturated, or aromatic carbocycle, and (f) a 3-10 membered saturated, unsaturated, or aromatic heterocycle containing one or more heteroatoms selected from the group consisting of nitrogen, oxygen, and sulfur, wherein any of (b)–(f) optionally is substituted with one or more R¹⁰ groups;

R^{10} , at each occurrence, independently is selected from the group consisting of:

(a) H, (b) =O, (c) F, (d) Cl, (e) Br, (f) I, (g) $-CF_3$, (h) $-CN$, (i) $-NO_2$, (j) $-NR^6R^6$, (k) $-OR^6$, (l) $-S(O)_pR^6$, (m) $-C(O)R^6$, (n) $-C(O)OR^6$, (o) $-OC(O)R^6$, (p) $NR^6C(O)R^6$, (q) $-C(O)NR^6R^6$, (r) $-C(=NR^6)R^6$, (s) $-NR^6C(O)NR^6R^6$, (t) $-NR^6S(O)_pR^6$, (u) $-S(O)_pNR^6R^6$, (v) $-NR^6S(O)_pNR^6R^6$, (w) a C_{1-6} alkyl group, (x) a C_{2-6} alkenyl group, (y) a C_{2-6} alkynyl group, (z) a C_{3-10} saturated, unsaturated, or aromatic carbocycle, and (aa) a 3-10 membered saturated, unsaturated, or aromatic heterocycle containing one or more heteroatoms selected from the group consisting of nitrogen, oxygen, and sulfur,

wherein any of (w)-(aa) optionally is substituted with one or more moieties selected from the group consisting of R^6 , F, Cl, Br, I, CN, NO_2 , $-OR^6$, $-NH_2$, $-NH(C_{1-6} \text{ alkyl})$, $-N(C_{1-6} \text{ alkyl})_2$, a C_{1-6} alkoxy group, a C_{1-6} alkylthio group, and a C_{1-6} acyl group;

R^{11} each occurrence, independently is selected from the group consisting of:

(a) a carbonyl group, (b) a formyl group, (c) F, (d) Cl, (e) Br, (f) I, (g) CN, (h) NO_2 , (i) OR^8 , (j) $-S(O)_pR^8$, (k) $-C(O)R^8$, (l) $-C(O)OR^8$, (m) $-OC(O)R^8$, (n) $-C(O)NR^8R^8$, (o) $-OC(O)NR^8R^8$, (p) $-C(=NR^8)R^8$, (q) $-C(R^8)(R^8)OR^8$, (r) $-C(R^8)_2OC(O)R^8$, (s) $-C(R^8)(OR^8)(CH_2)_rNR^8R^8$, (t) $-NR^8R^8$, (u) $-NR^8OR^8$, (v) $-NR^8C(O)R^8$, (w) $-NR^8C(O)OR^8$, (x) $-NR^8C(O)NR^8R^8$, (y) $-NR^8S(O)_rR^8$, (z) $-C(OR^8)(OR^8)R^8$, (aa) $-C(R^8)_2NR^8R^8$, (bb) $=NR^8$, (cc) $-C(S)NR^8R^8$, (dd) $-NR^8C(S)R^8$, (ee) $-OC(S)NR^8R^8$, (ff) $-NR^8C(S)OR^8$, (gg) $-NR^8C(S)NR^8R^8$, (hh) $-SC(O)R^8$, (ii) a C_{1-8} alkyl group, (jj) a C_{2-8} alkenyl group, (kk) a C_{2-8} alkynyl group, (ll) a C_{1-8} alkoxy group, (mm) a C_{1-8} alkylthio group, (nn) a C_{1-8} acyl group, (oo) a C_{3-10} saturated, unsaturated, or aromatic carbocycle, and (pp) a 3-10 membered saturated, unsaturated, or aromatic heterocycle containing one or more heteroatoms selected from the group consisting of nitrogen, oxygen, and sulfur, wherein (ii)-(kk) optionally are substituted with one or more R^5 groups;

R^{12} is selected from the group consisting of:

(a) H, (b) a C_{1-6} alkyl group, (c) a C_{2-6} alkenyl group, (d) a C_{2-6} alkynyl group, (e) $-C(O)R^5$, (f) $-C(O)OR^5$, (g) $-C(O)NR^4R^4R^4R^4$, ~~[[h]]~~ (g) $-C(S)R^5$, ~~[[i]]~~ (h) $-$

$C(S)OR^5$, $[[j]](i)-C(O)SR^5$, ~~(k)-C(S)NR⁴R⁴R⁴R⁴~~, $[[l]](j)$ a C₃₋₁₀ saturated, unsaturated, or aromatic carbocycle, ~~or (m)(k)~~ a 3-10 membered saturated, unsaturated, or aromatic heterocycle containing one or more heteroatoms selected from the group consisting of nitrogen, oxygen, and sulfur, $[[n]](l)$ a $-(C_{1-6} \text{ alkyl})-C_{3-10}$ saturated, unsaturated, or aromatic carbocycle, and ~~or (o)(m)~~ a $-(C_{1-6} \text{ alkyl})-3-10$ membered saturated, unsaturated, or aromatic heterocycle containing one or more heteroatoms selected from the group consisting of nitrogen, oxygen, and sulfur,

wherein (a)-(d) and ~~(l)-(o)(j)-(m)~~ optionally are ~~substitued~~substituted with one or more R⁵ groups;

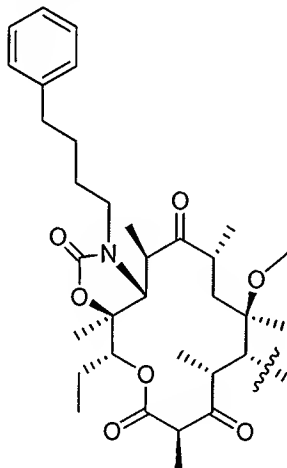
p at each occurrence is 0, 1, or 2;

r at each occurrence is 0, 1, or 2;

t at each occurrence is 0, 1, or 2;

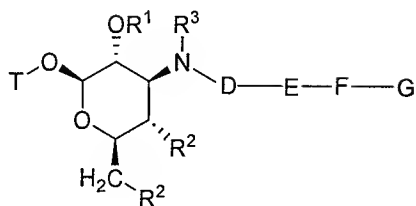
u at each occurrence is 1, 2, 3, or 4; and

provided that when the compound has formula I and T is



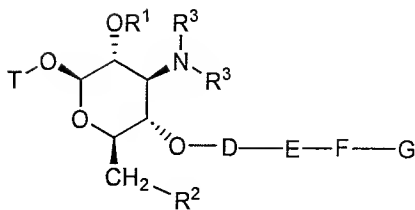
D is not a single bond or a $-CH_2-$.

2. **(Previously Presented)** A compound according to claim 1, having the formula:



I

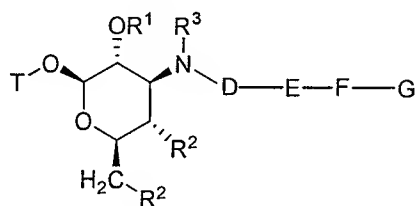
or



II

or a pharmaceutically acceptable salt, or ester thereof.

3. **(Currently Amended)** A compound according to claim 2 having the formula:

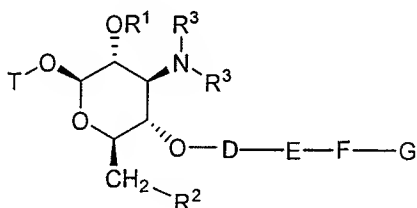


I

[[.]]

or a pharmaceutically acceptable salt, or ester thereof.

4. **(Previously Presented)** A compound according to claim 2 having the formula:



II

or a pharmaceutically acceptable salt, or ester thereof.

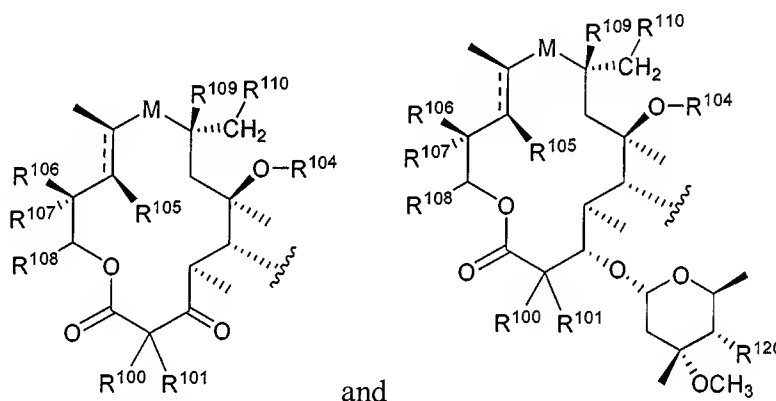
5. **(Canceled).**

6. **(Previously Presented)** A compound according to claim 1 or a pharmaceutically acceptable salt, or ester thereof wherein G is B'.

7. **(Previously Presented)** A compound according to claim 6 or a pharmaceutically acceptable salt, or ester thereof wherein B' is selected from the group consisting of: (a) an aryl group, (b) a heteroaryl group, (c) a biaryl group, and (d) a fused bicyclic or tricyclic unsaturated or aromatic ring system optionally containing one or more carbonyl groups and one or more heteroatoms selected from the group consisting of nitrogen, oxygen, and sulfur, wherein each (a)-(d) optionally is substituted with one or more R¹¹ groups.

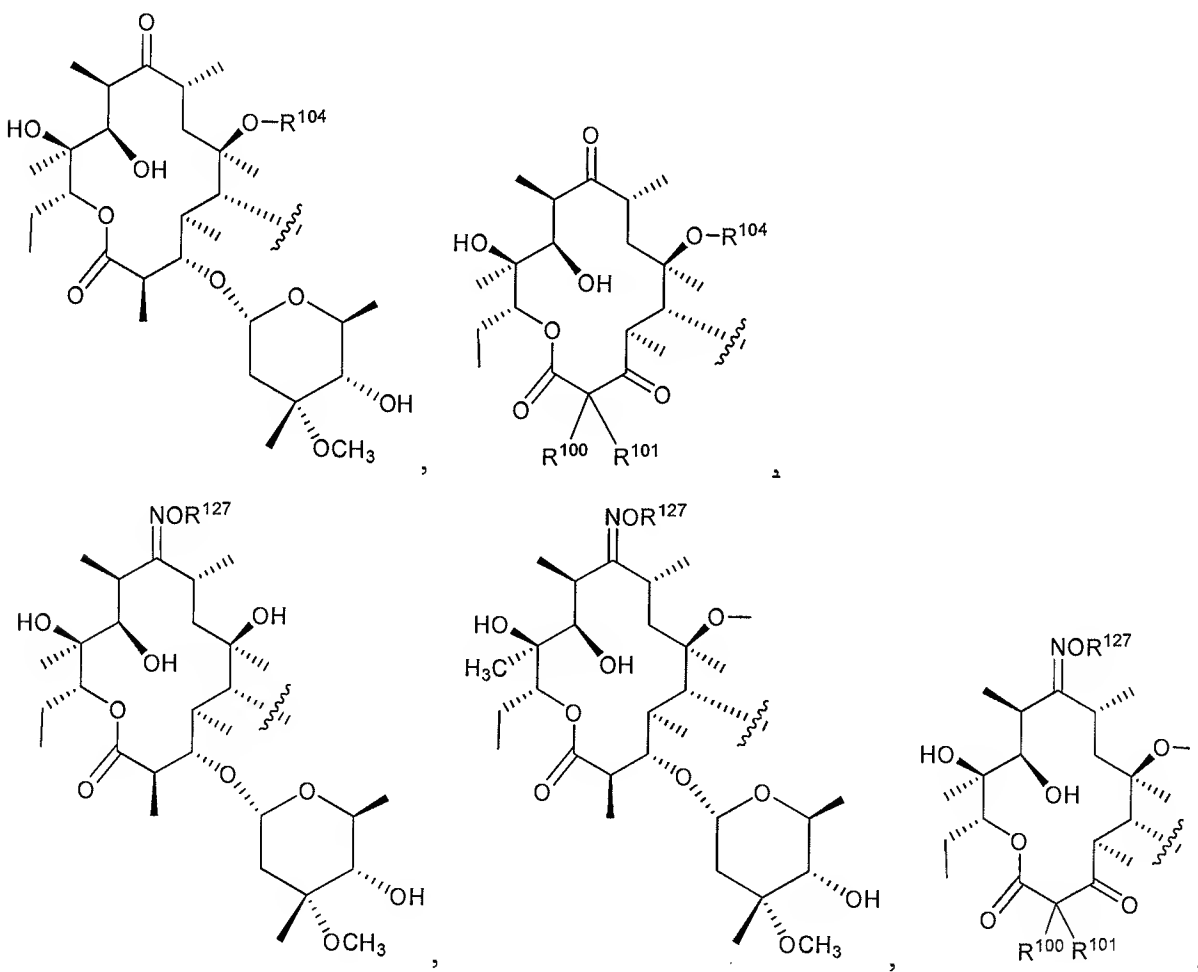
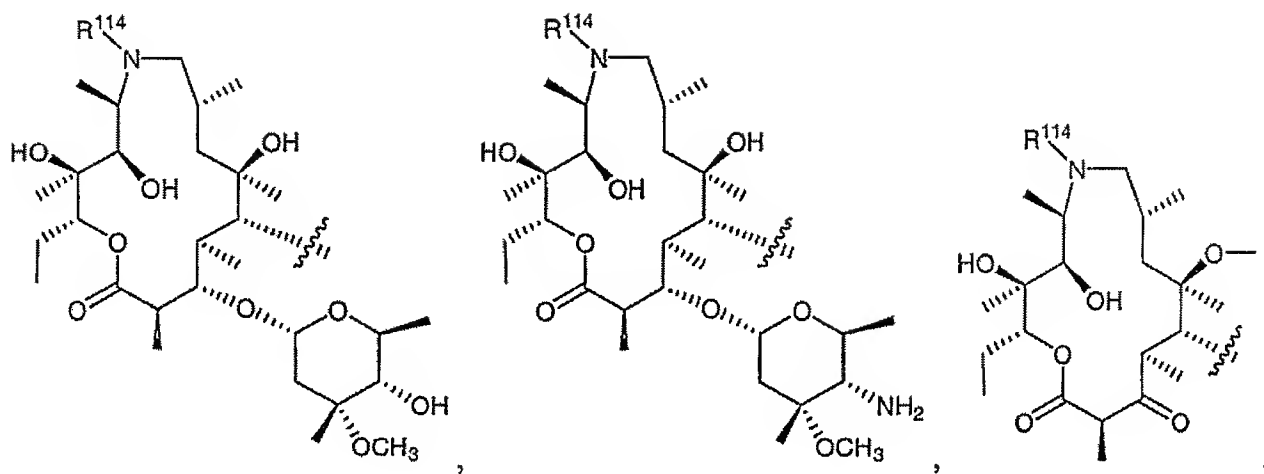
8. – 13. **(Canceled).**

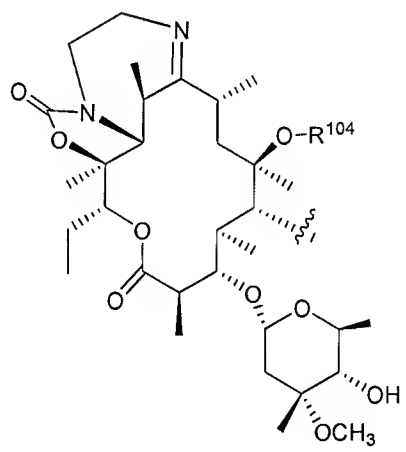
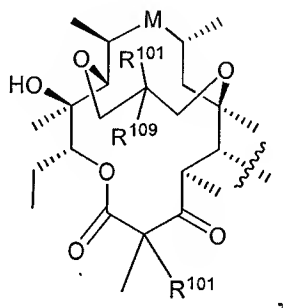
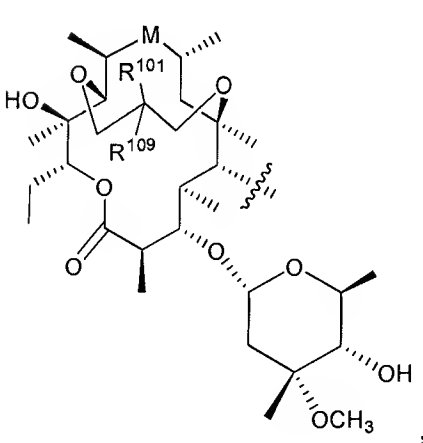
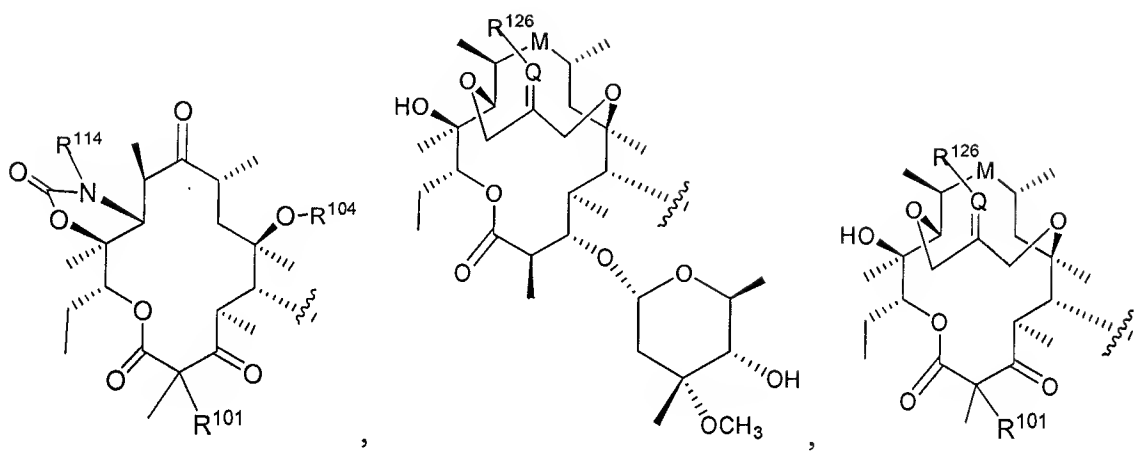
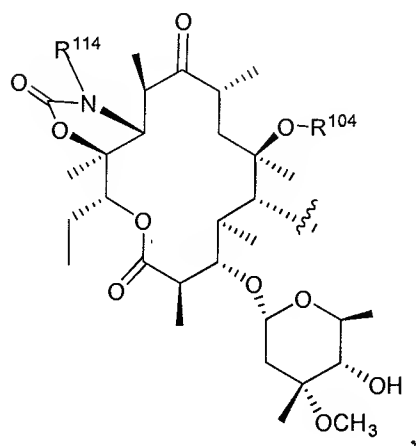
14. **(Previously Presented)** A compound according to claim 1, wherein T is a macrolide selected from the group consisting of:

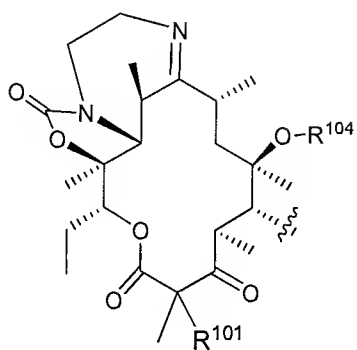


or a pharmaceutically acceptable salt, or ester thereof.

15. **(Currently Amended)** A compound according to claim 1, wherein T is a macrolide selected from the group consisting of:



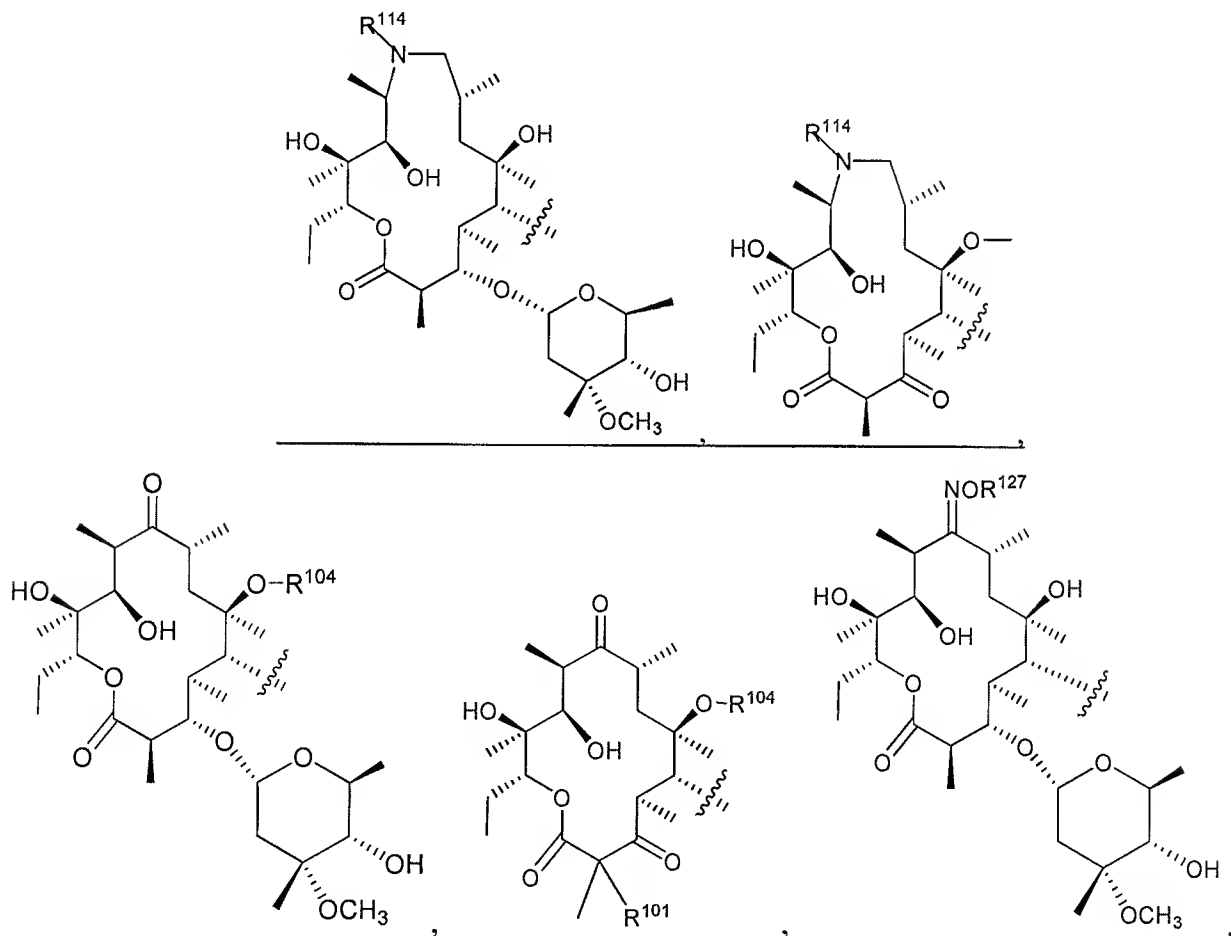


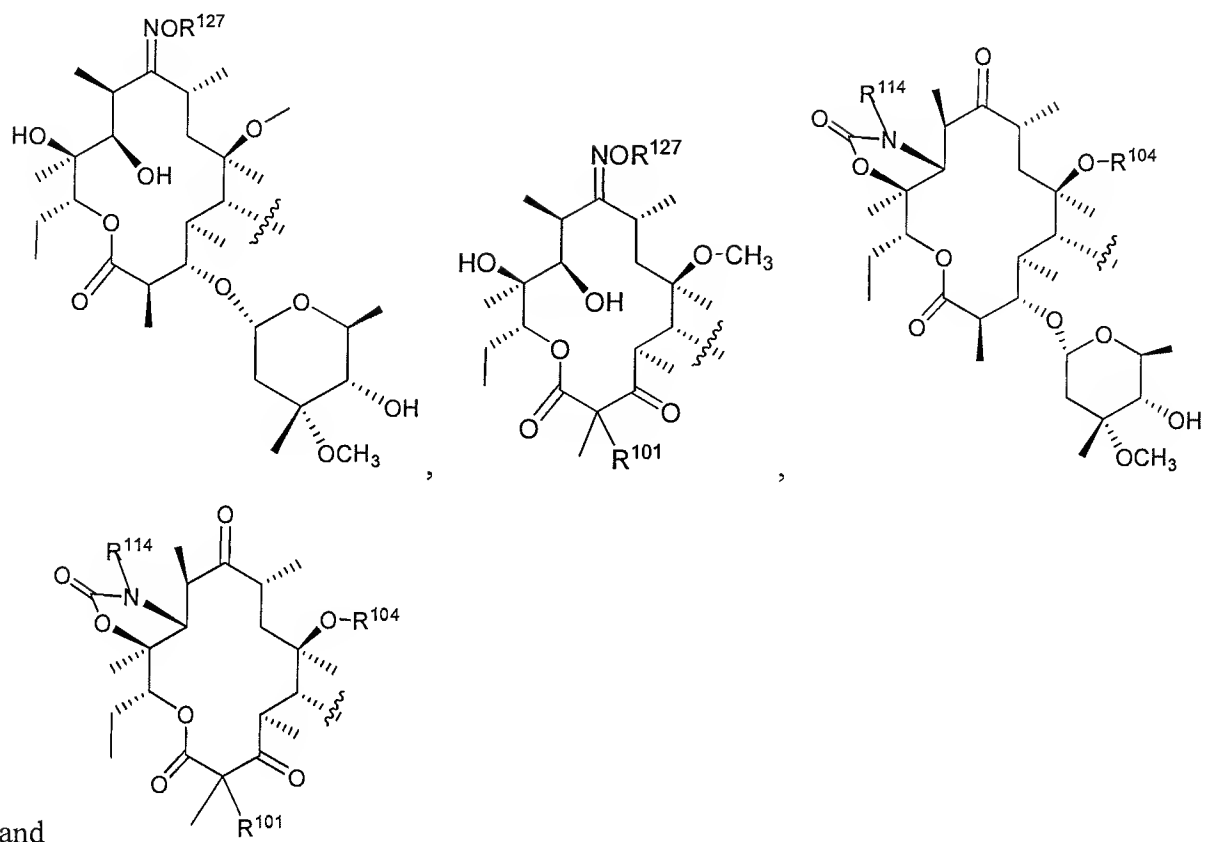


and

or a pharmaceutically acceptable salt, or ester thereof[[,]].

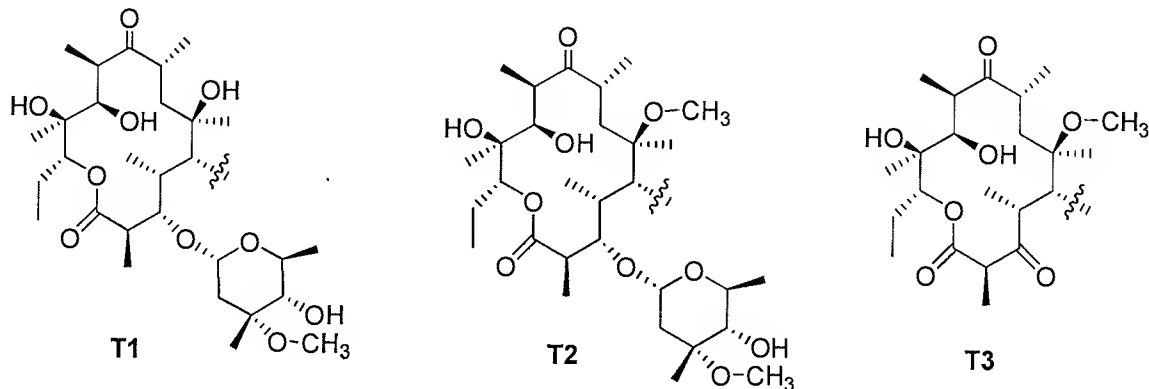
16. **(Currently Amended)** A compound according to claim 1, wherein T is a macrolide selected from the group consisting of:

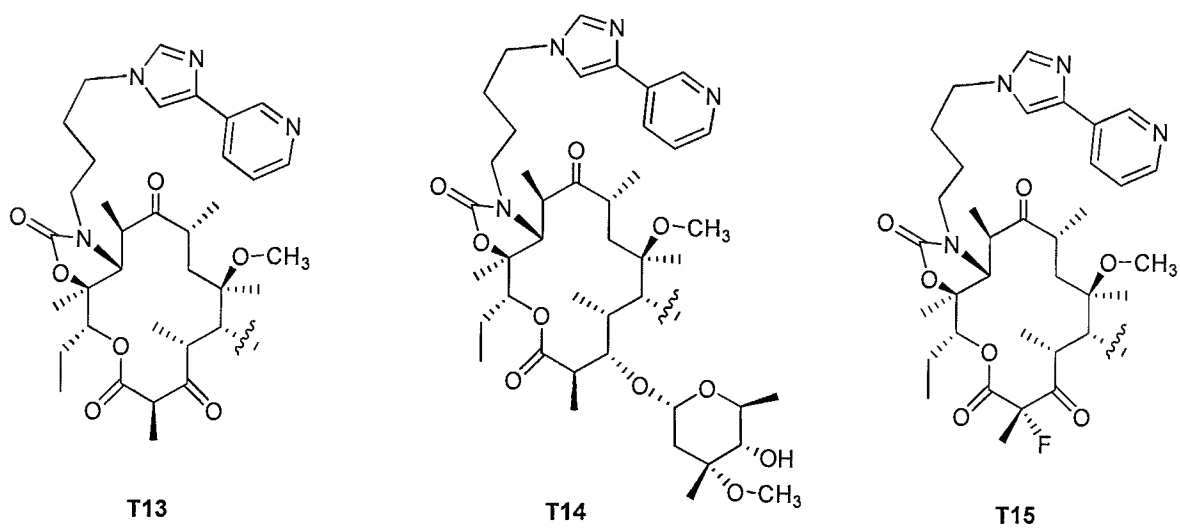
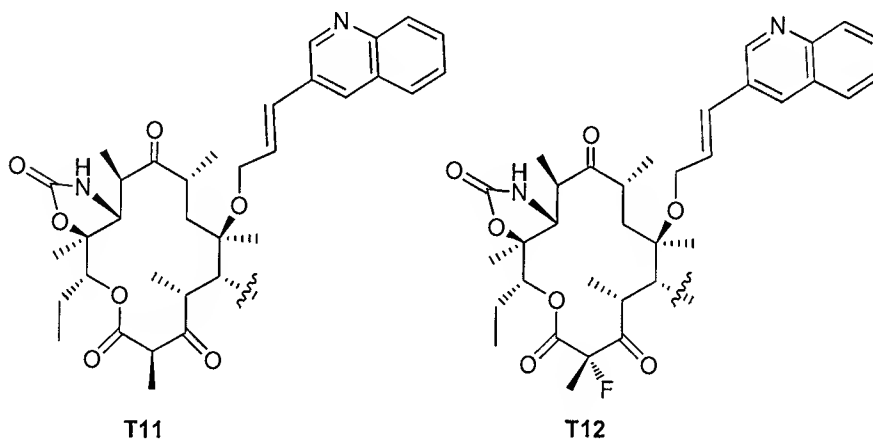
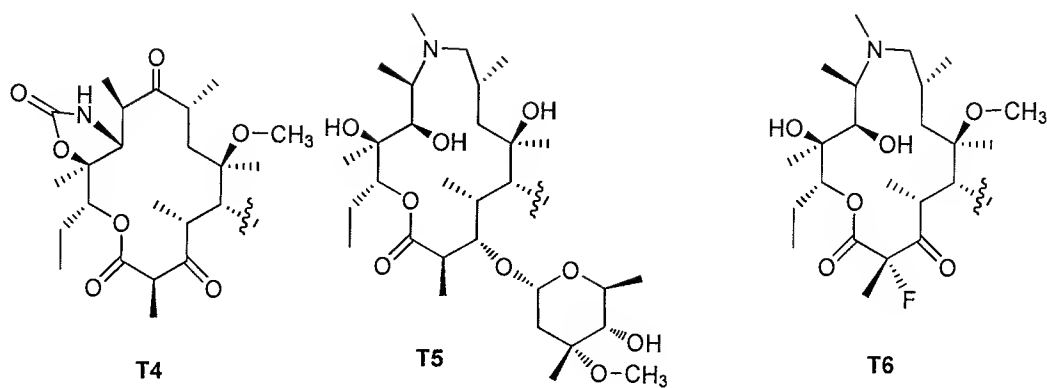


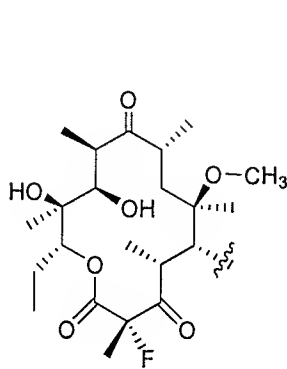


or a pharmaceutically acceptable salt, or ester thereof[.,,].

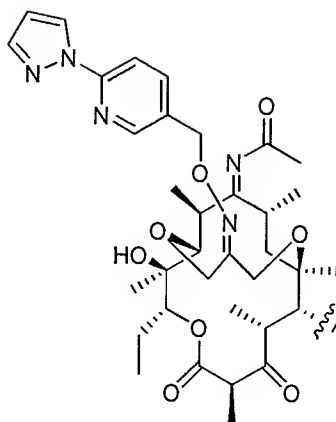
17. **(Currently Amended)** A compound according to claim 1, wherein T is a macrolide selected from the group consisting of T1, T2, T3, T4, T5, T6, T11, T12, T13, T14, T15, T16, T17, T18, T19, T20, T21, T22, T23, T24, T25, T26, T27, T28, T29, T30, T31, [[T32,]]and T33:



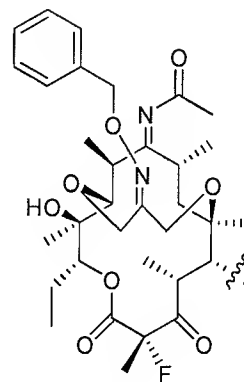




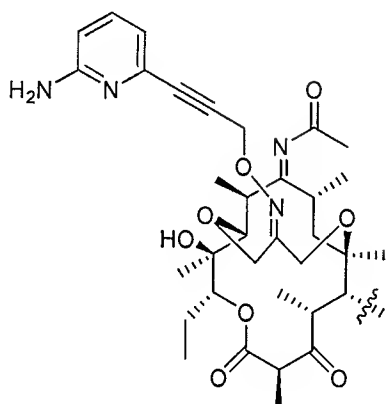
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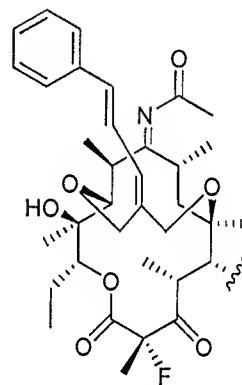
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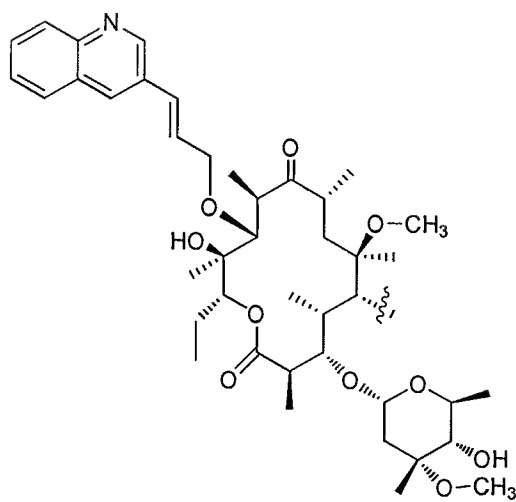
T18



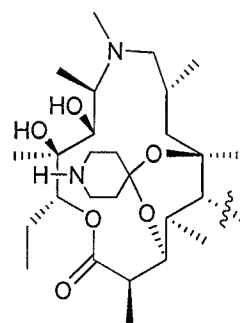
T19



T20

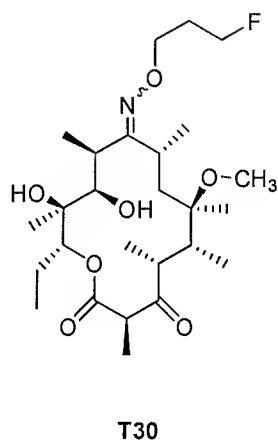
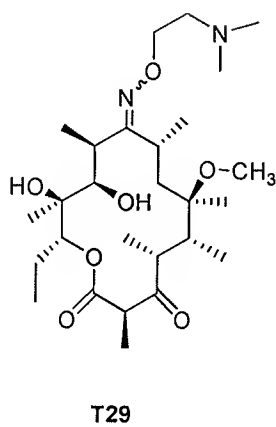
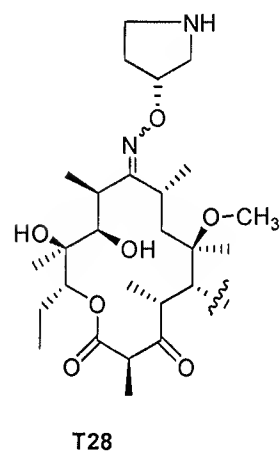
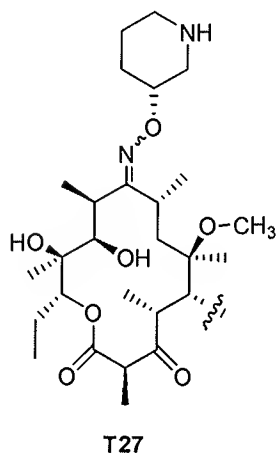
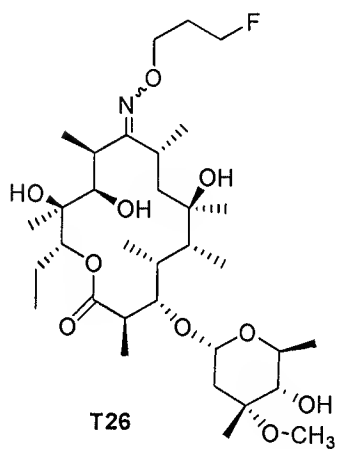
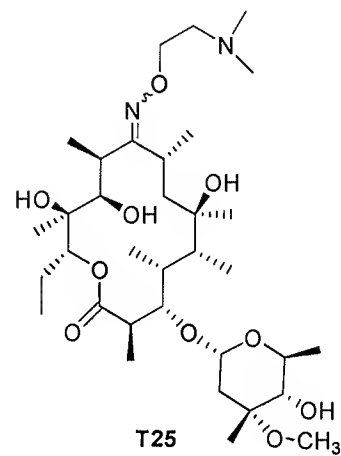
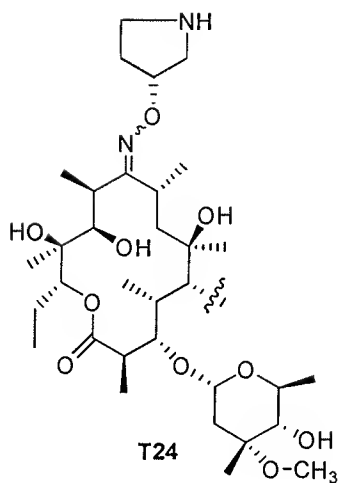
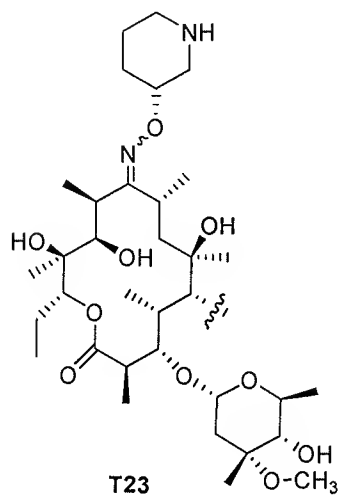


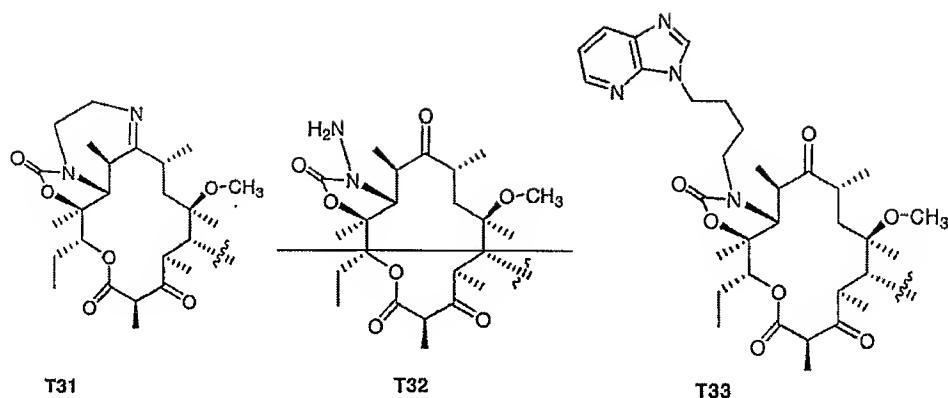
T21



T22

[[;]]

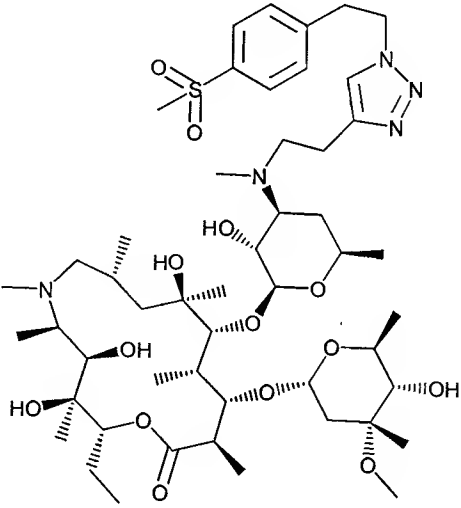
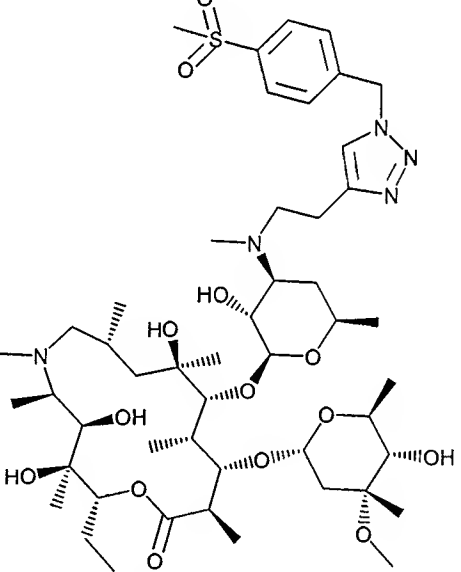
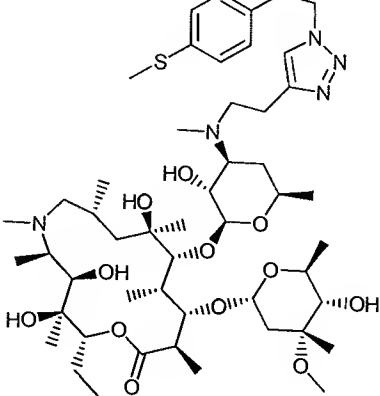




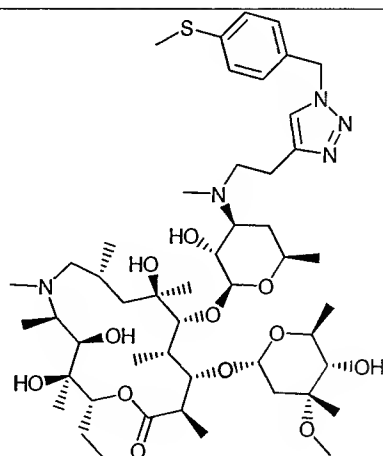
or a pharmaceutically acceptable salt, or ester thereof.

18. (Currently Amended) A compound having the structure corresponding to any one of the structures listed in Table 1 or 13 selected from structure 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347, 348, 349, 350, 351, 352, 353, 354, 355, 356, 401, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 425, 426, 427, 428, 429, 430, 431, 432, 433, 434, 435, 436, 437, 438, 439, 440, 441, 442, 443, 444, 445, 446, 447, 448, 449, 450, 451, 601, 608, 610, 612, 613, 615, 620, 621, 728, 729, 730, 731, 732, 733, 734, 735, 736, 737, 742, 743, 744, 745, and 749

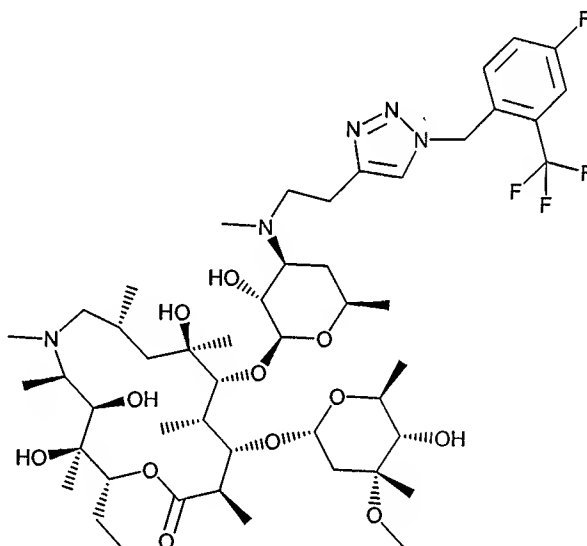
| Compound Number | Structure |
|-----------------|-----------|
| 101 | |

| | |
|-----|--|
| 102 |  |
| 103 |  |
| 104 |  |

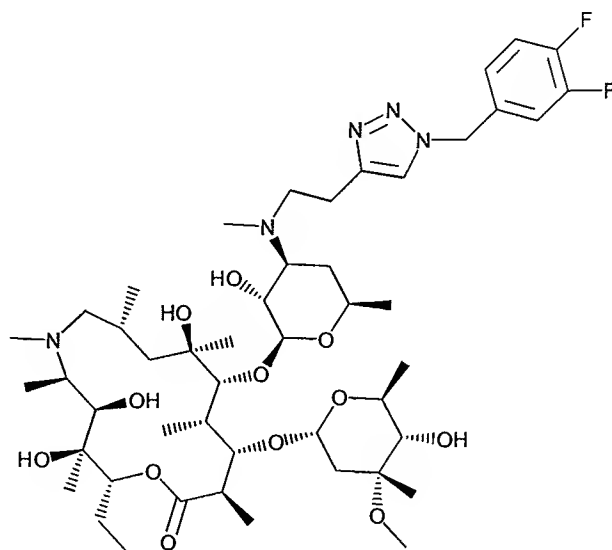
105



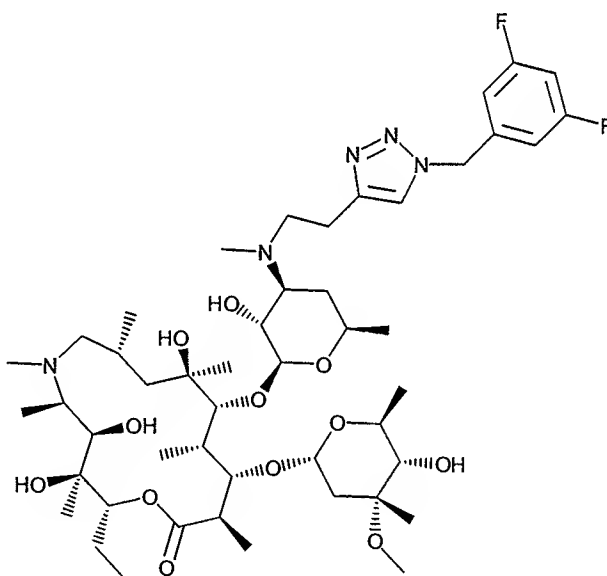
106



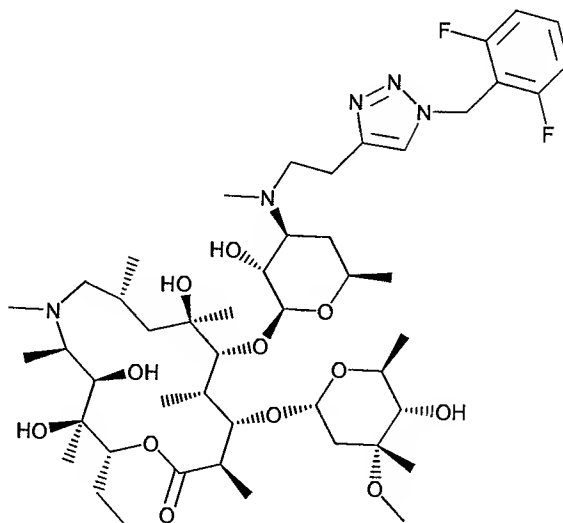
107



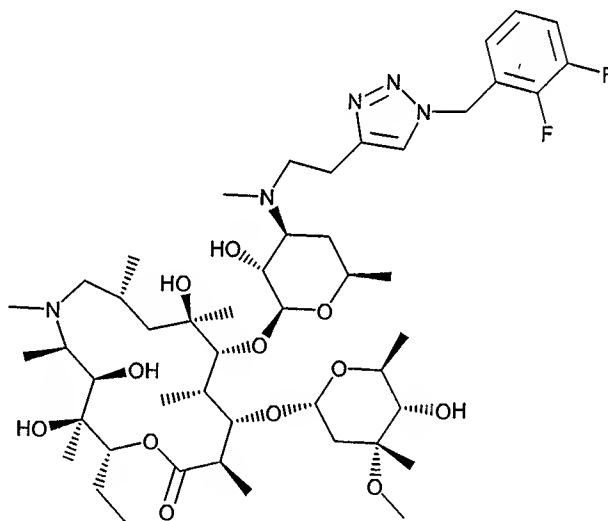
108



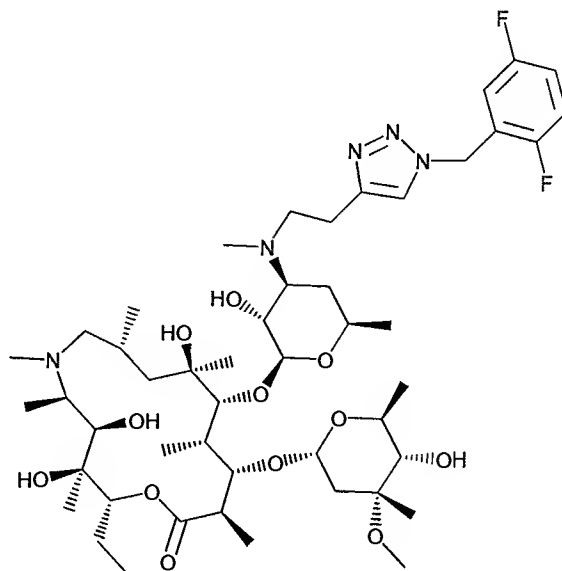
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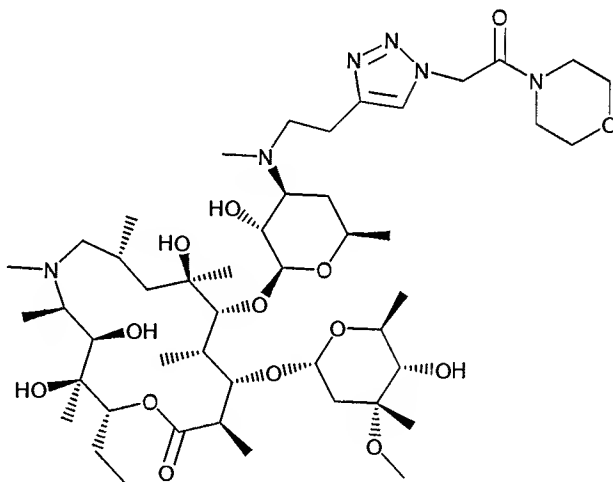
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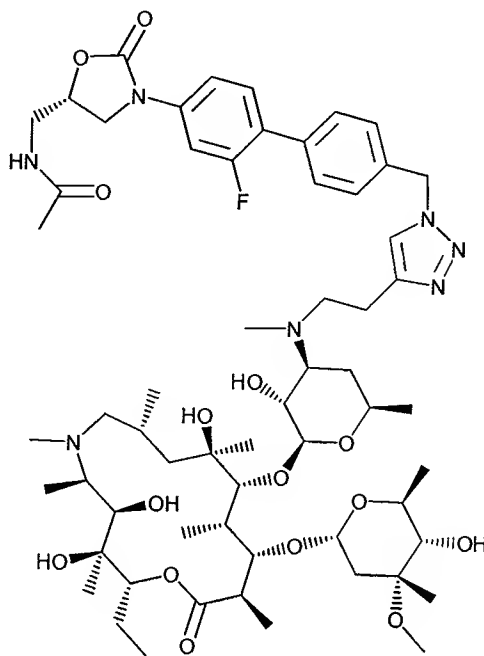
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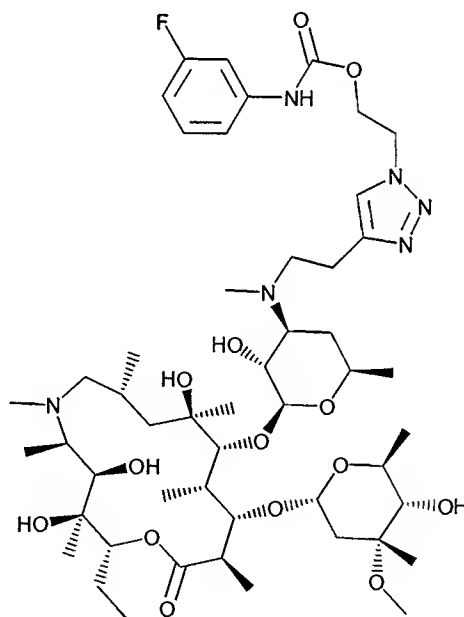
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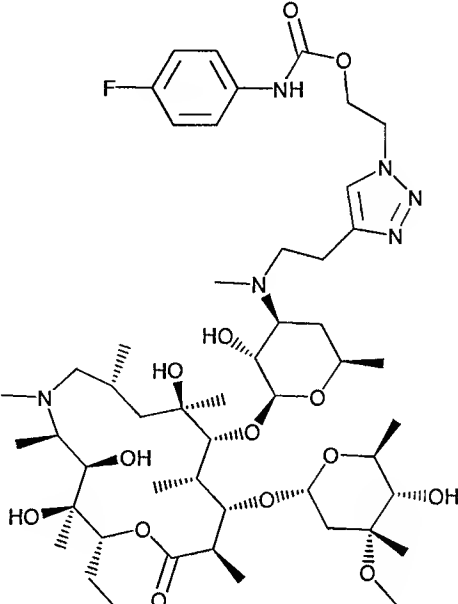
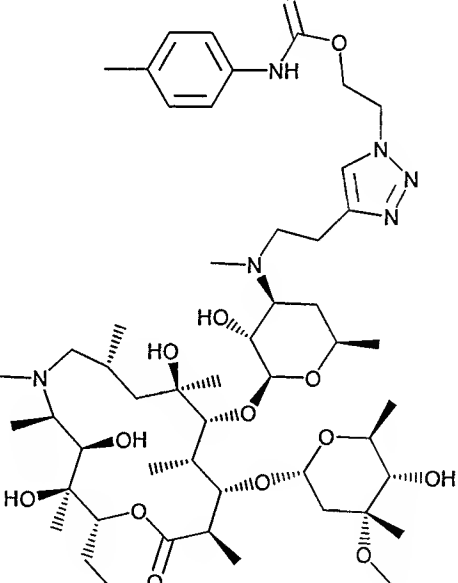


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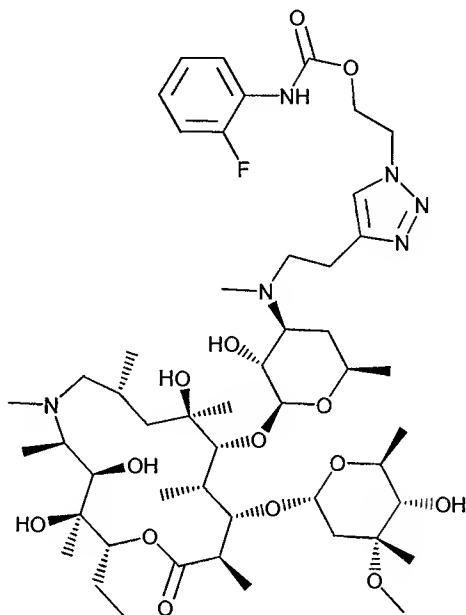


114

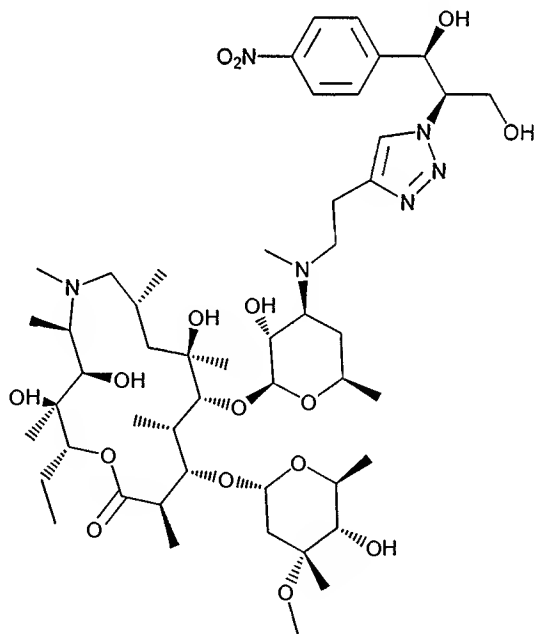


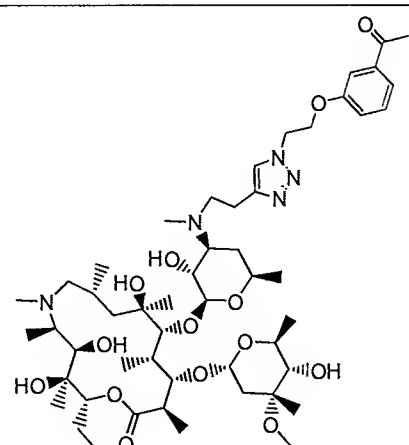
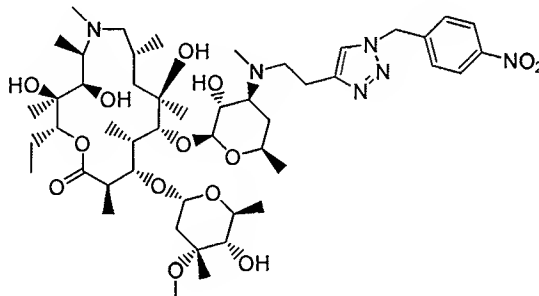
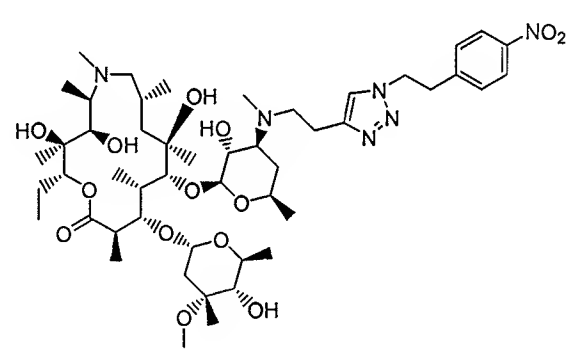
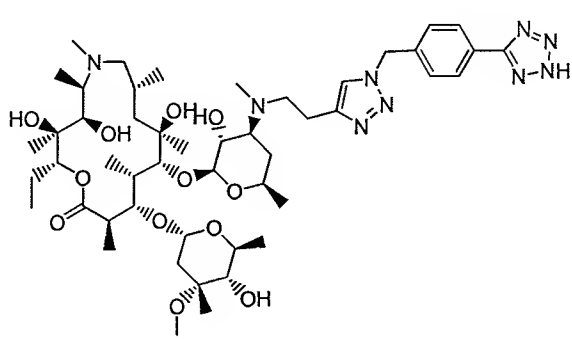
| | |
|-----|---|
| 115 |  <p>Chemical structure 115 is a complex molecule. It features a central bicyclic core with multiple hydroxyl groups and a carbonyl group. The molecule is substituted with a 4-fluorophenyl group via a carbamate linkage, a 1,2,4-triazole ring, and a 2,6-dimethyl-4-O-methyl-β-D-glucopyranoside moiety.</p> |
| 116 |  <p>Chemical structure 116 is a complex molecule, similar to 115, but with a 4-methylphenyl group instead of a 4-fluorophenyl group.</p> |

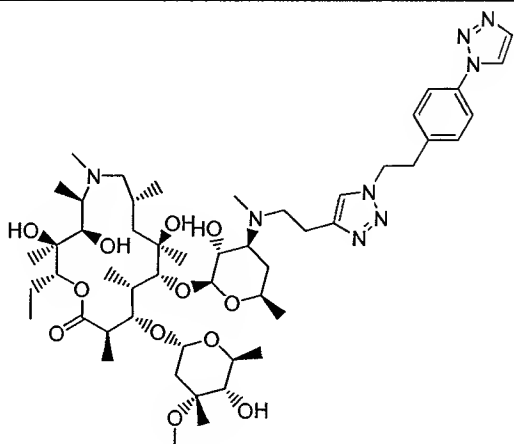
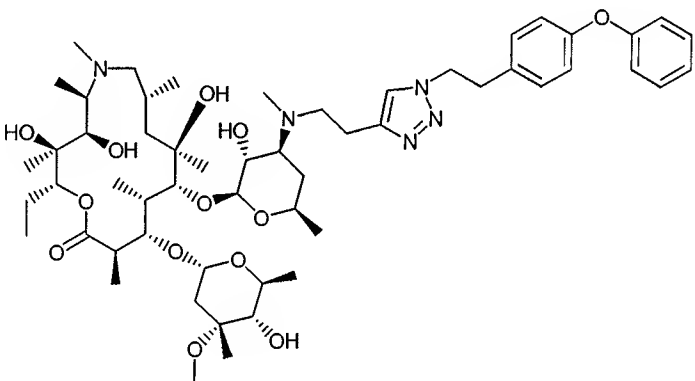
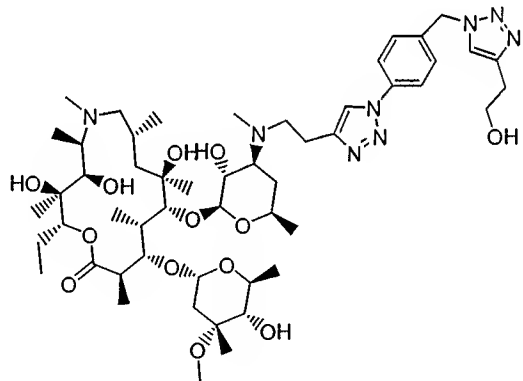
117

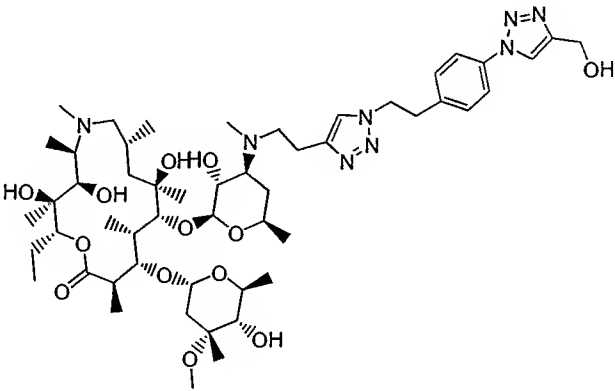
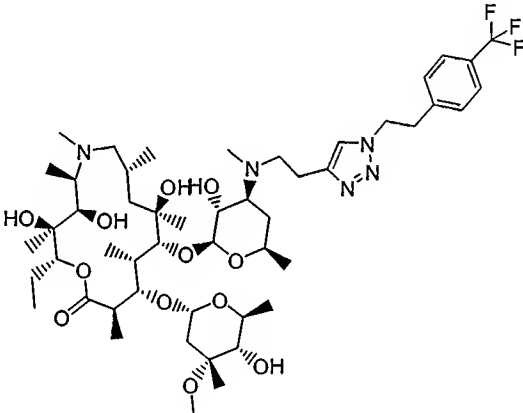
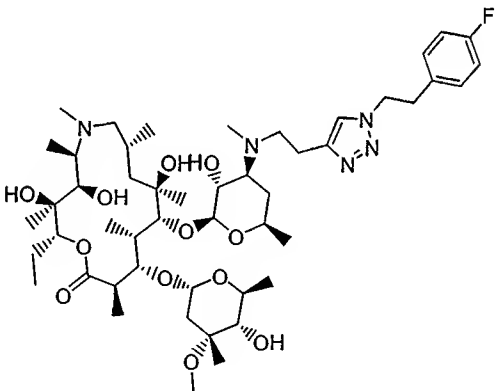


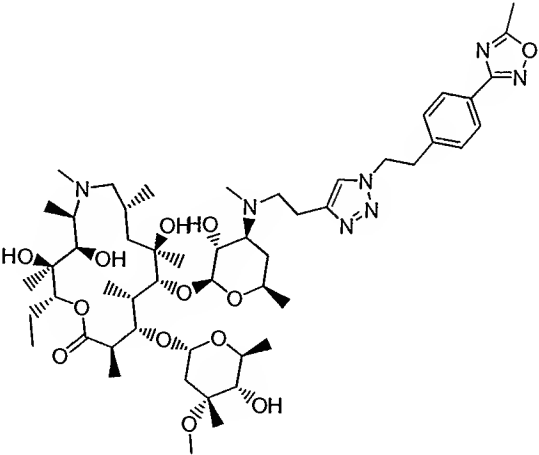
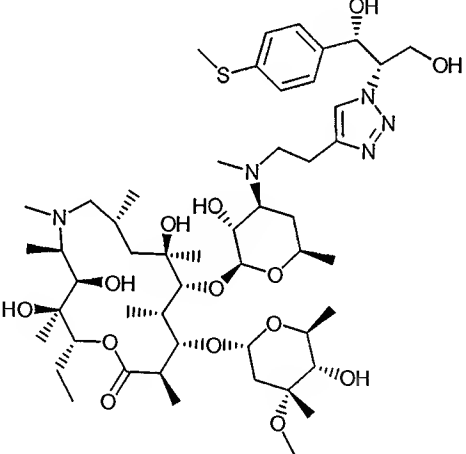
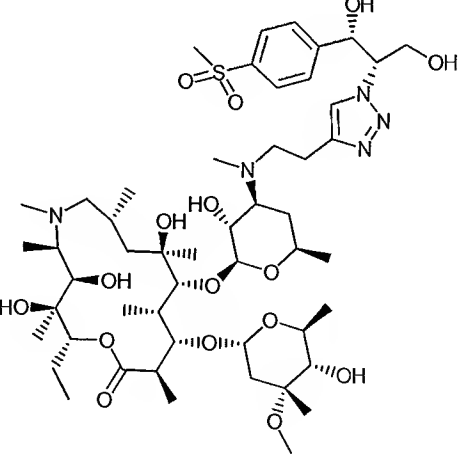
118

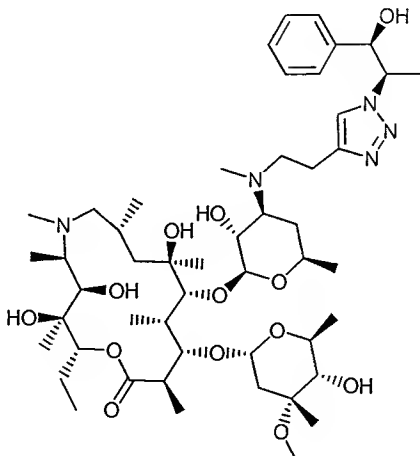
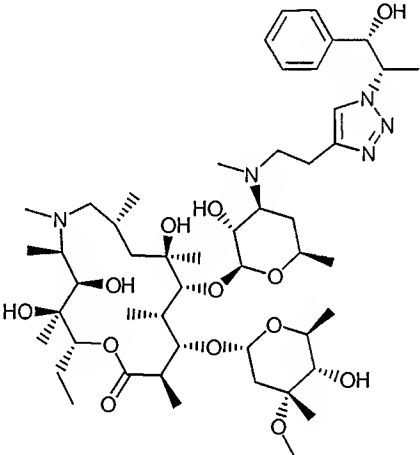
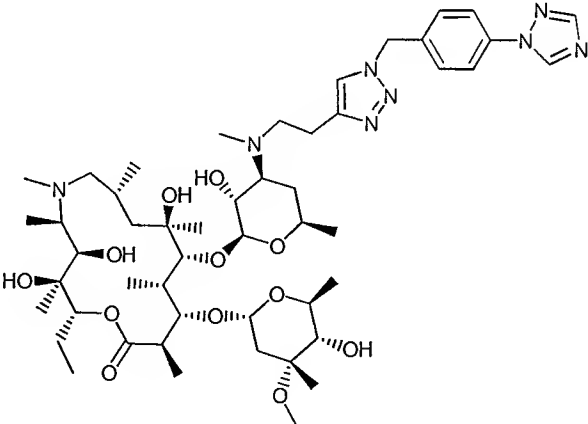


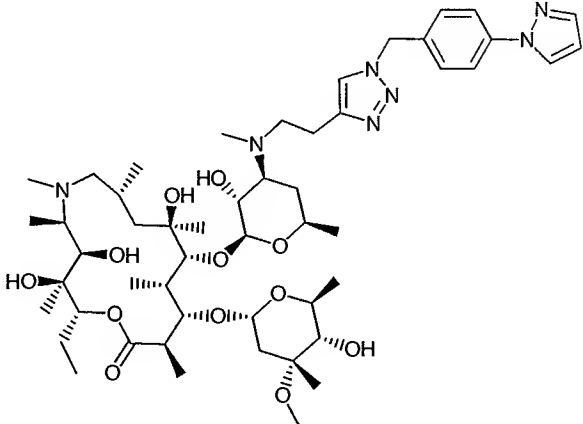
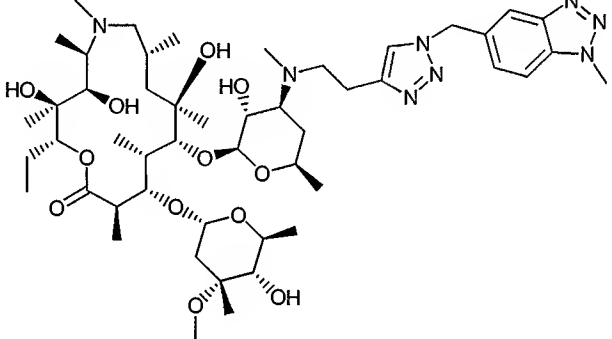
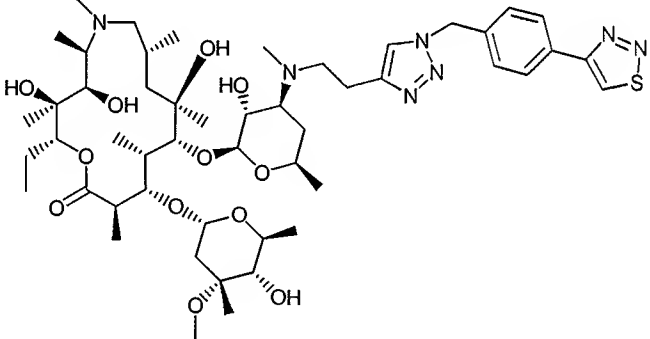
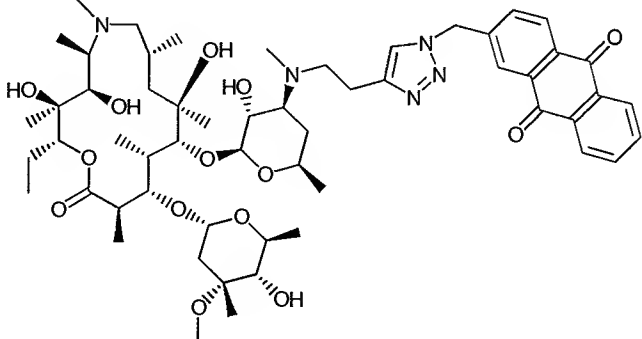
| | |
|-----|--|
| 120 |  <chem>CC(=O)c1ccc(OCCN2C=CN=C2CCN3C[C@H](O)[C@H](O)[C@@H](O)[C@H]3O[C@H]4[C@@H](O)[C@H](O)[C@@H](O)[C@H]4O[C@H]5[C@@H](O)[C@H](O)[C@@H](O)[C@H]5O)cc1</chem> |
| 121 |  <chem>O=[N+]([O-])c1ccc(CCN2C=CN=C2CCN3C[C@H](O)[C@H](O)[C@@H](O)[C@H]3O[C@H]4[C@@H](O)[C@H](O)[C@@H](O)[C@H]4O[C@H]5[C@@H](O)[C@H](O)[C@@H](O)[C@H]5O)cc1</chem> |
| 122 |  <chem>O=[N+]([O-])c1ccc(CCN2C=CN=C2CCN3C[C@H](O)[C@H](O)[C@@H](O)[C@H]3O[C@H]4[C@@H](O)[C@H](O)[C@@H](O)[C@H]4O[C@H]5[C@@H](O)[C@H](O)[C@@H](O)[C@H]5O)cc1</chem> |
| 123 |  <chem>Nc1nn[nH]1-c2ccc(CCN3C=CN=C3CCN4C[C@H](O)[C@H](O)[C@@H](O)[C@H]4O[C@H]5[C@@H](O)[C@H](O)[C@@H](O)[C@H]5O)cc2</chem> |

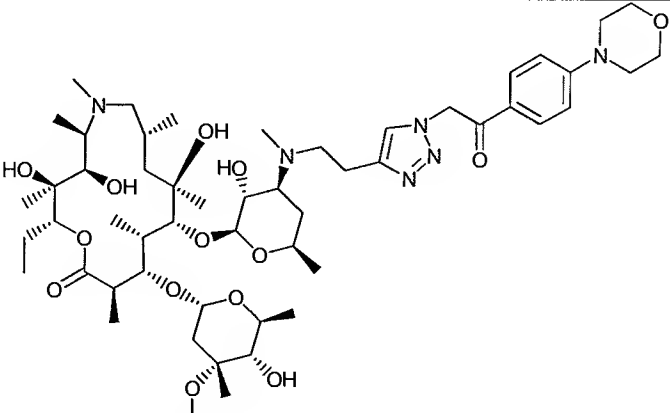
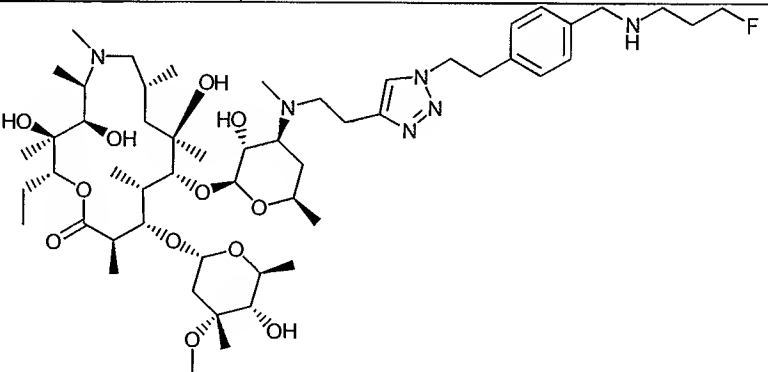
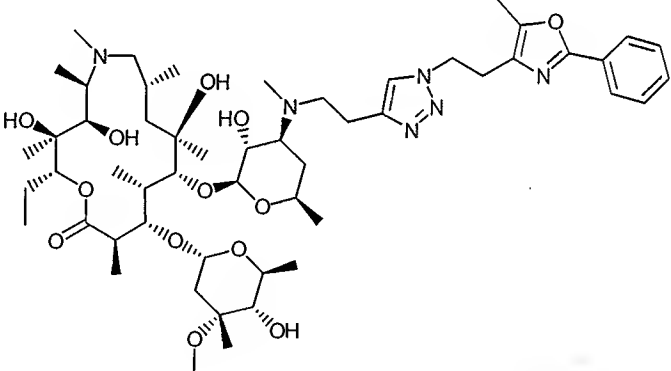
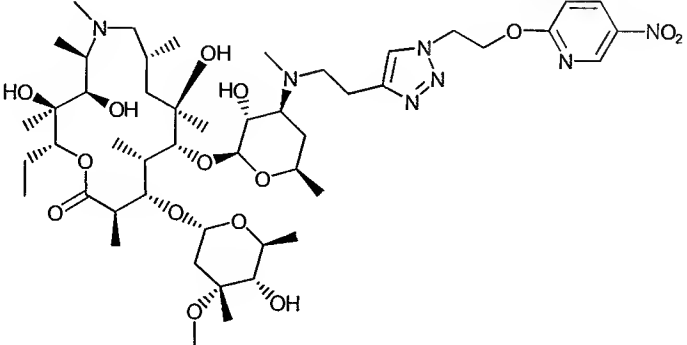
| | |
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| 124 |  |
| 142 |  |
| 125 |  |

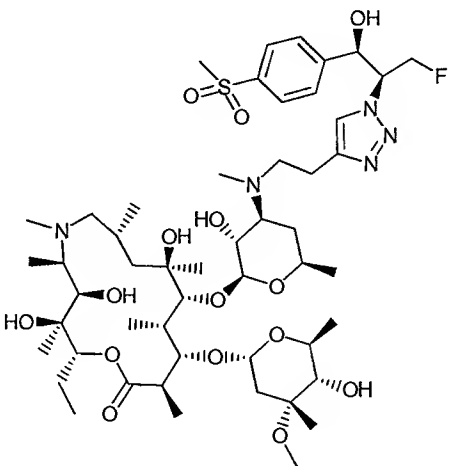
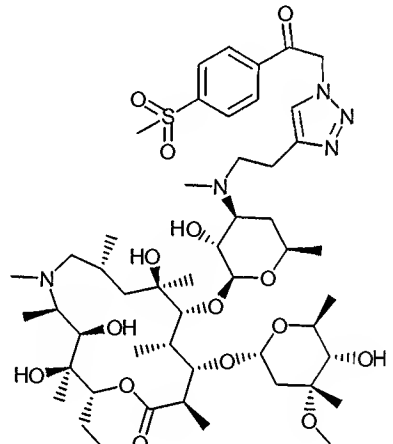
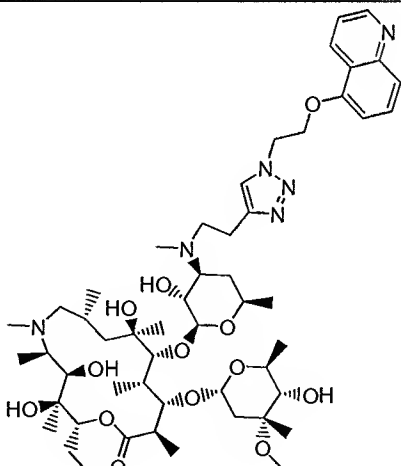
| | |
|-----|--|
| 126 |  |
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| 130 |  |

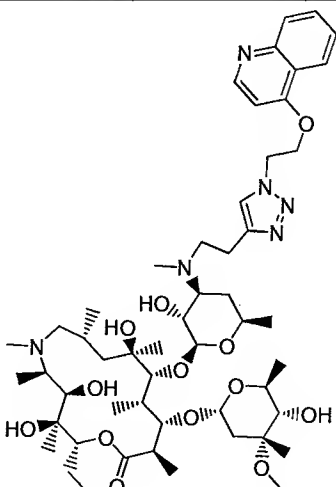
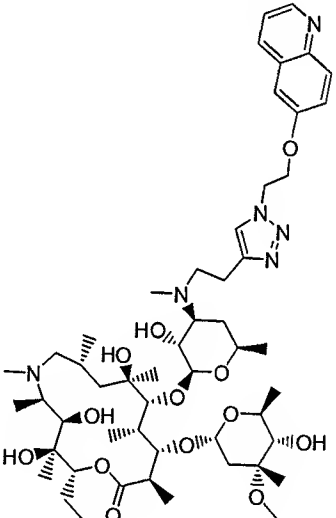
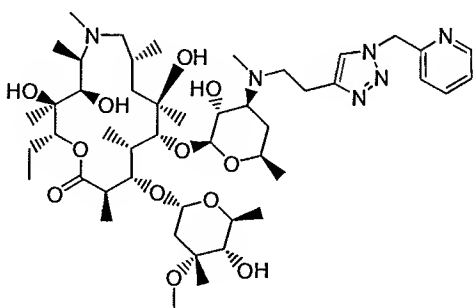
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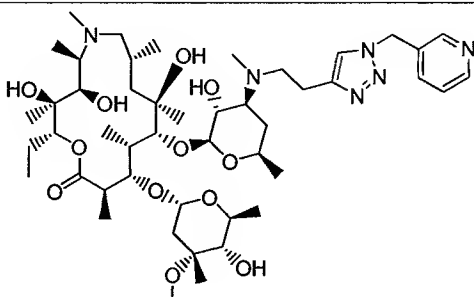
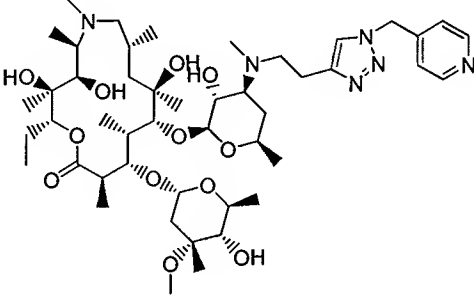
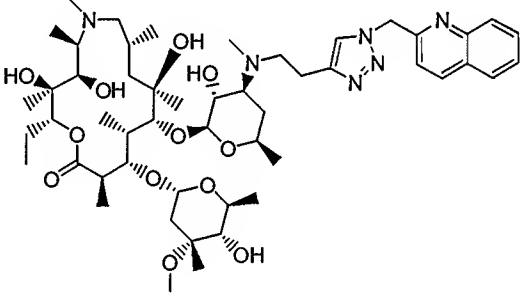
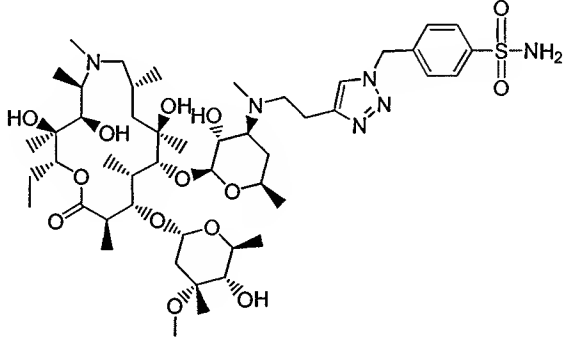
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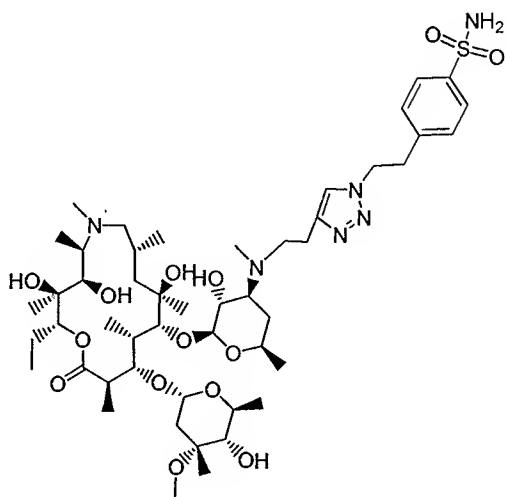
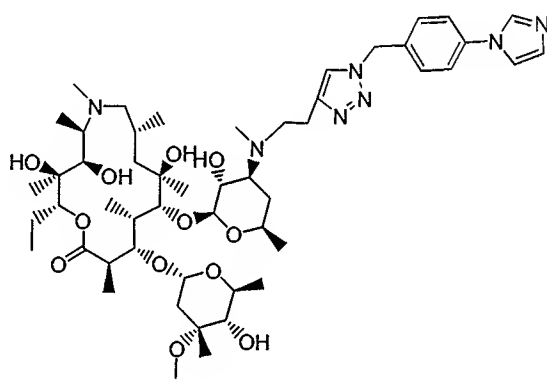
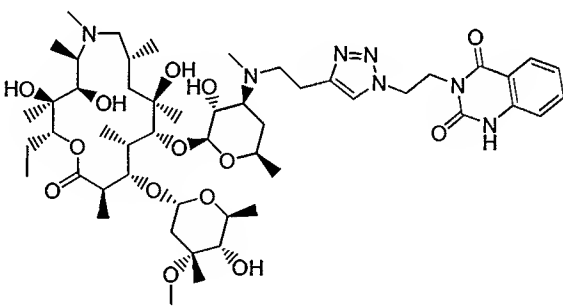
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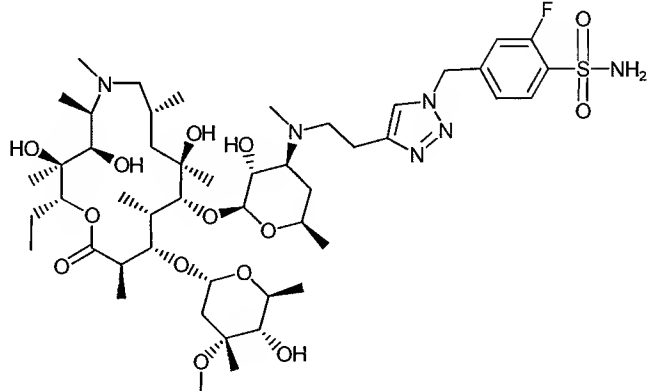
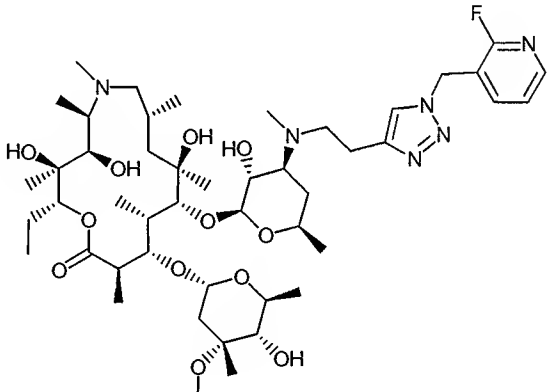
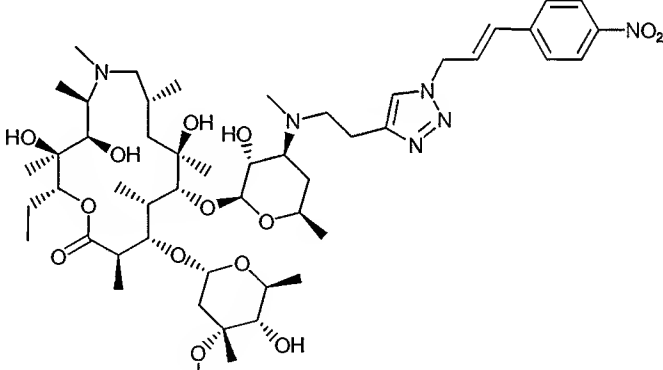
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| 141 |  <p>Chemical structure 141: A complex molecule featuring a central bicyclic core with multiple hydroxyl groups and a side chain containing a triazole ring, a carbonyl group, and a morpholine ring.</p> |
| 143 |  <p>Chemical structure 143: A complex molecule featuring a central bicyclic core with multiple hydroxyl groups and a side chain containing a triazole ring, a carbonyl group, and a morpholine ring.</p> |
| 144 |  <p>Chemical structure 144: A complex molecule featuring a central bicyclic core with multiple hydroxyl groups and a side chain containing a triazole ring, a carbonyl group, and a morpholine ring.</p> |
| 145 |  <p>Chemical structure 145: A complex molecule featuring a central bicyclic core with multiple hydroxyl groups and a side chain containing a triazole ring, a carbonyl group, and a morpholine ring.</p> |

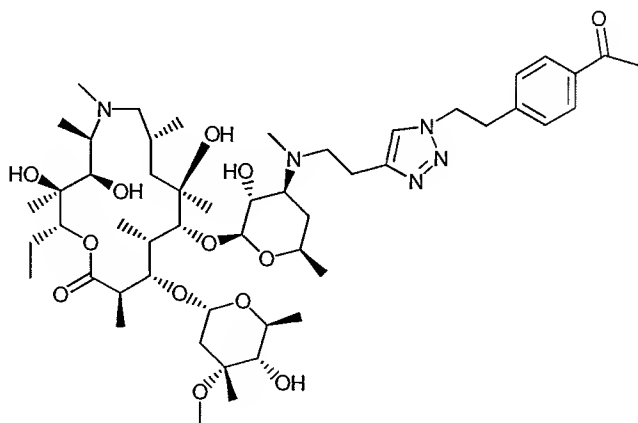
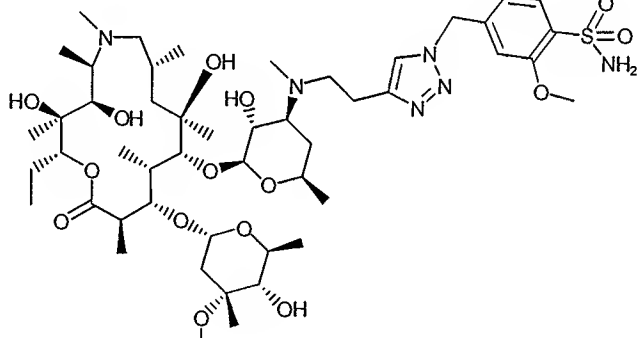
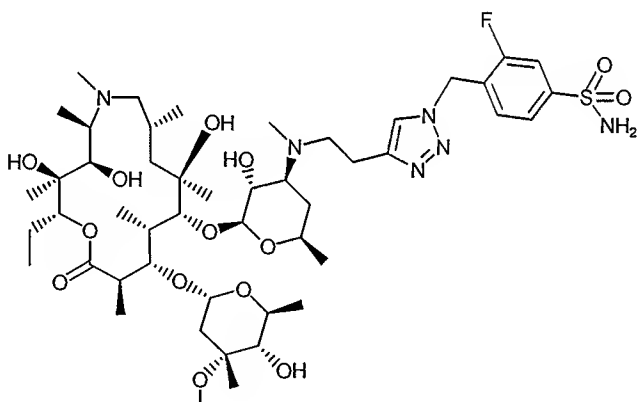
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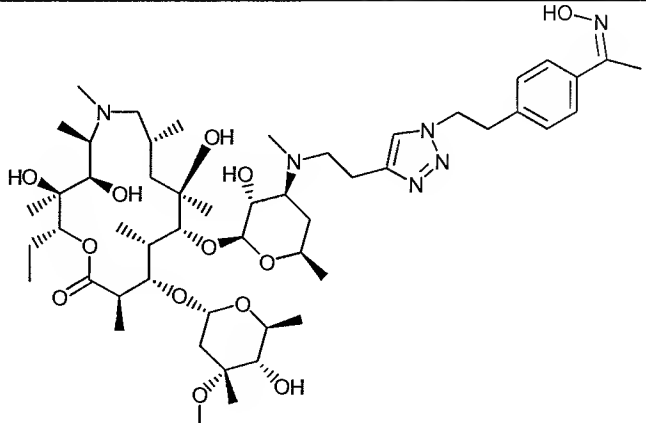
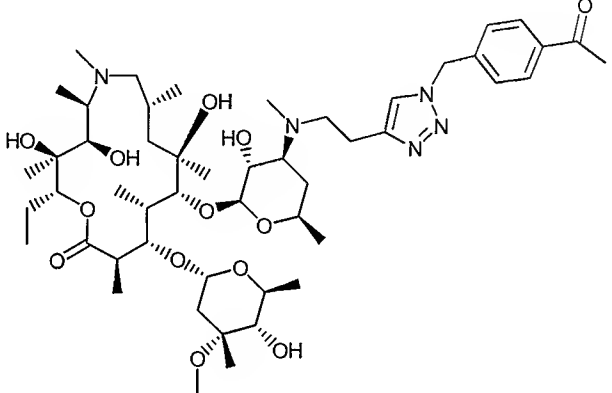
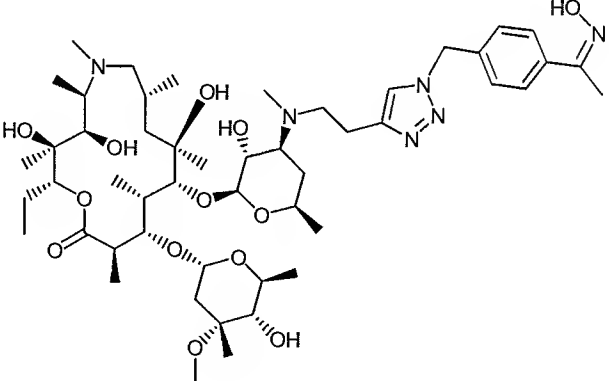
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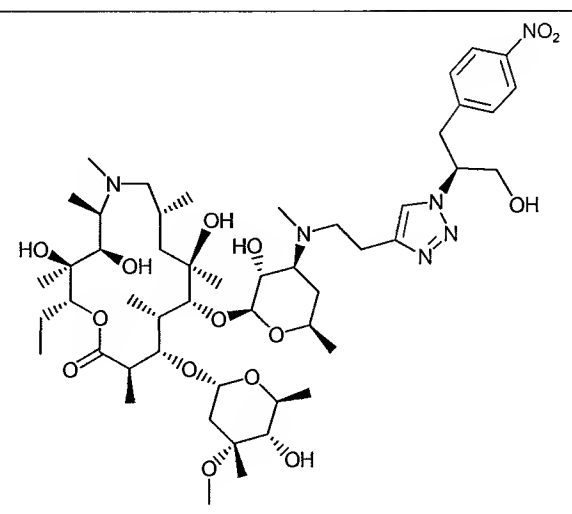
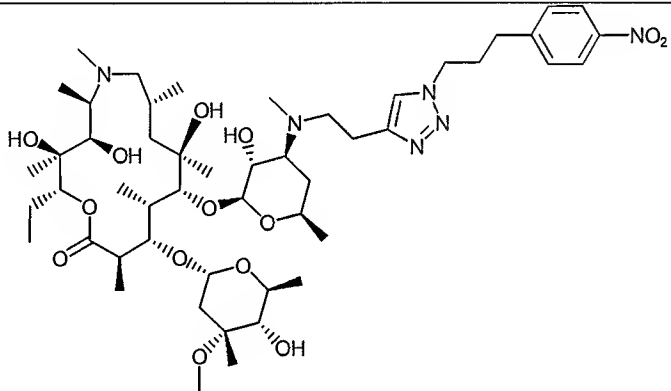
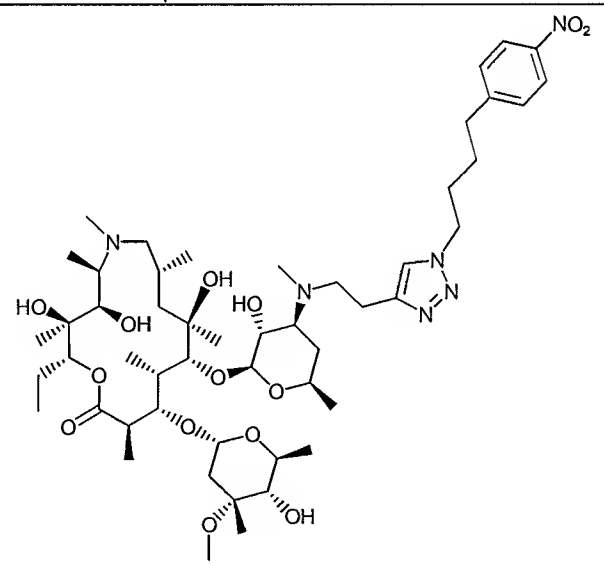
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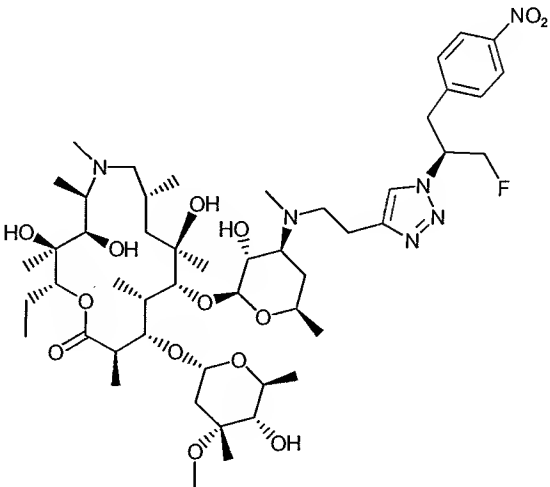
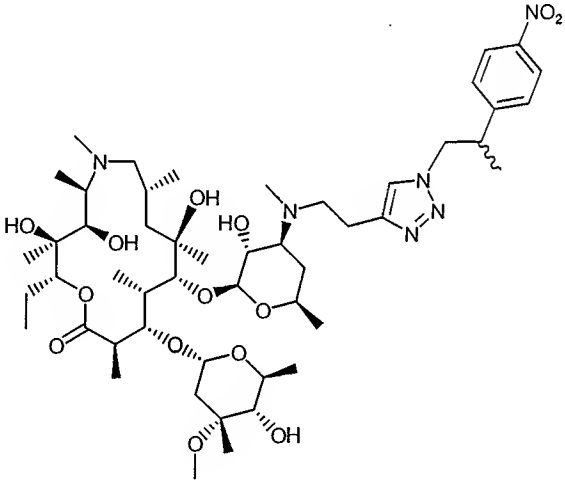
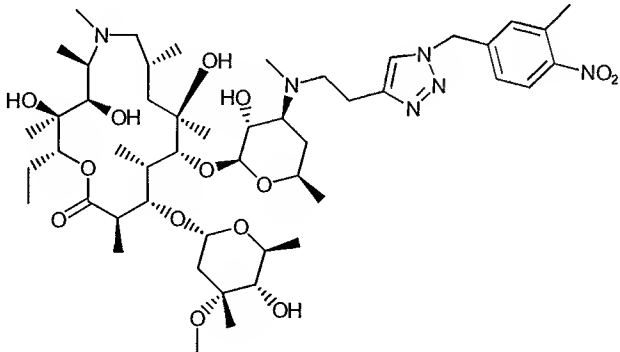
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| 156 |  <p>Chemical structure 156: A complex molecule featuring a central bicyclic core with multiple hydroxyl groups and a side chain containing a triazole ring, a phenyl ring, and a sulfonamide group.</p> |
| 157 |  <p>Chemical structure 157: A complex molecule featuring a central bicyclic core with multiple hydroxyl groups and a side chain containing a triazole ring, a phenyl ring, and a pyridine ring.</p> |
| 158 |  <p>Chemical structure 158: A complex molecule featuring a central bicyclic core with multiple hydroxyl groups and a side chain containing a triazole ring, a phenyl ring, and a benzimidazole ring.</p> |

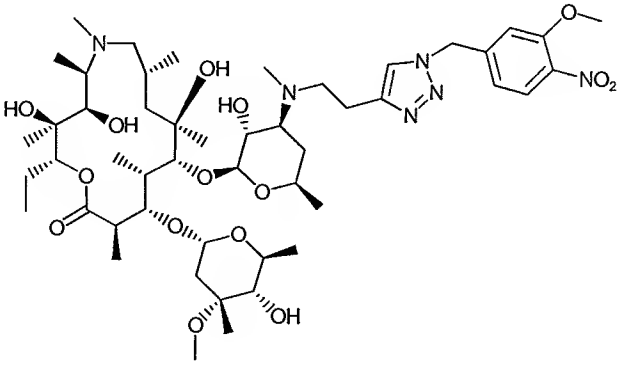
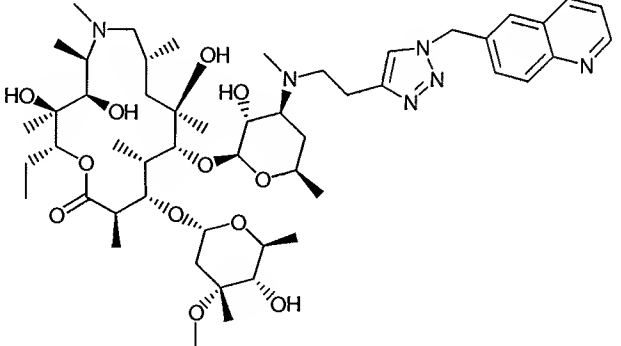
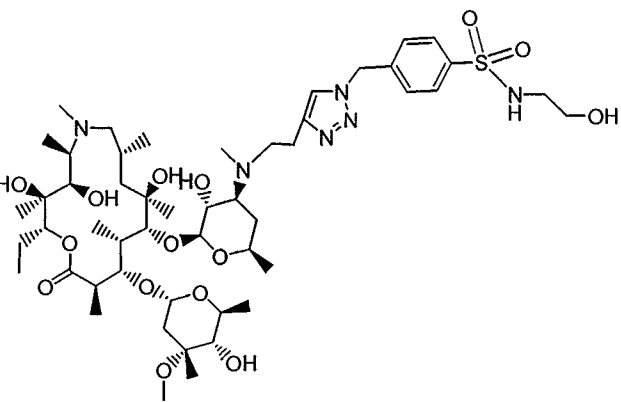
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| 159 |  <p>Chemical structure 159: A complex molecule featuring a central bicyclic core with multiple hydroxyl groups and a sulfonamide group attached via a triazole ring.</p> |
| 160 |  <p>Chemical structure 160: A complex molecule featuring a central bicyclic core with multiple hydroxyl groups and a fluorinated pyridine group attached via a triazole ring.</p> |
| 161 |  <p>Chemical structure 161: A complex molecule featuring a central bicyclic core with multiple hydroxyl groups and a nitro group attached via a triazole ring and a vinyl group.</p> |

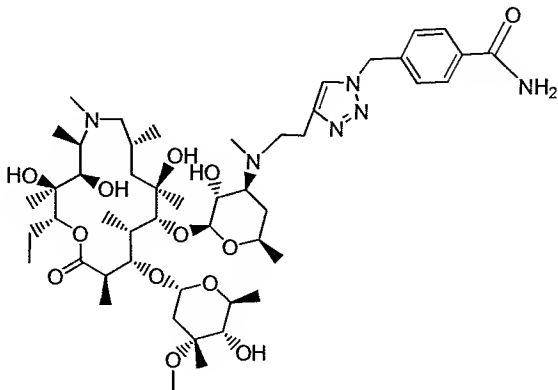
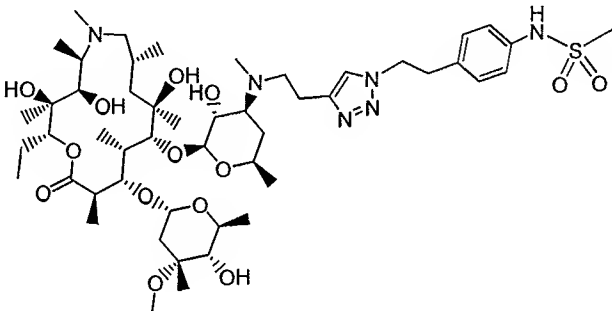
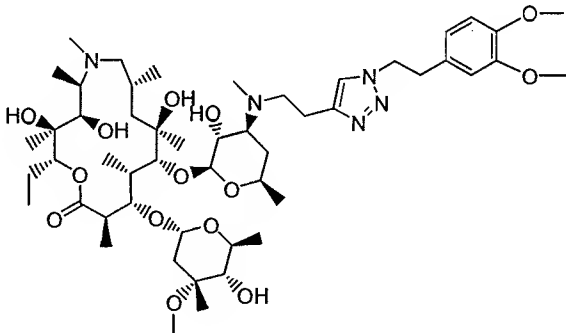
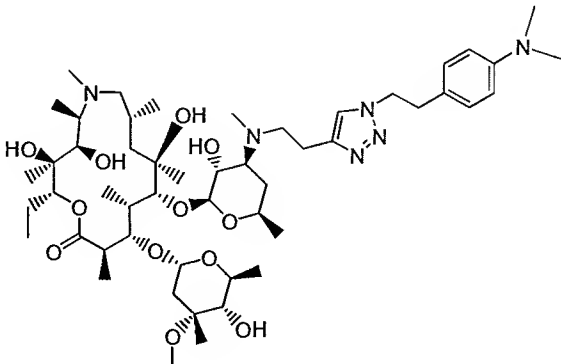
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| 162 |  <p>Chemical structure 162 is a complex molecule. It features a central bicyclic core with multiple hydroxyl groups and a side chain containing a triazole ring and a 4-acetylphenyl group.</p> |
| 163 |  <p>Chemical structure 163 is a complex molecule. It features a central bicyclic core with multiple hydroxyl groups and a side chain containing a triazole ring and a 4-methanesulfonamido-3-methoxyphenyl group.</p> |
| 164 |  <p>Chemical structure 164 is a complex molecule. It features a central bicyclic core with multiple hydroxyl groups and a side chain containing a triazole ring and a 4-fluoro-3-methanesulfonamido-phenyl group.</p> |

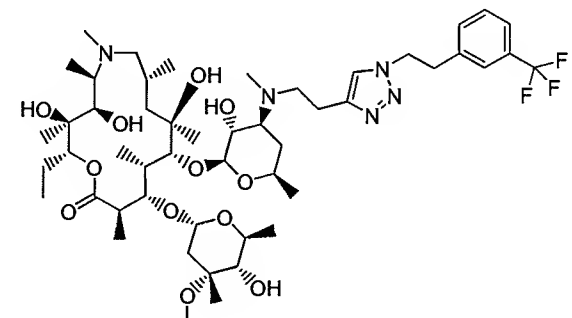
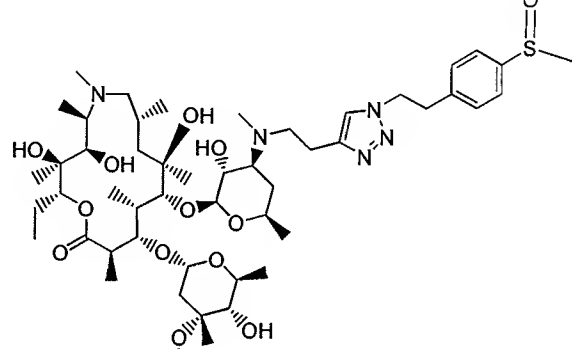
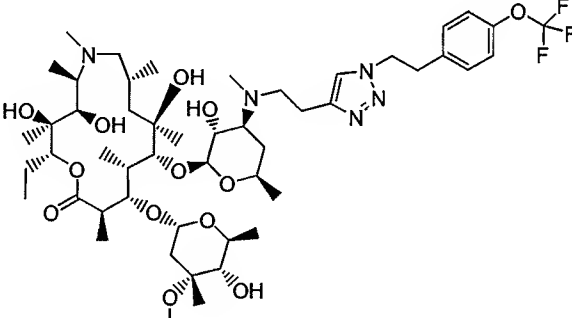
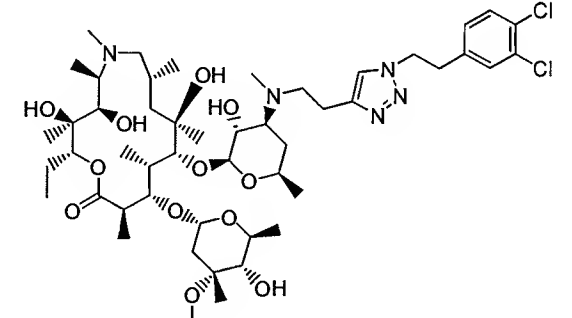
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| 165 |  <p>Chemical structure 165: A complex molecule featuring a central bicyclic core with multiple hydroxyl groups and a side chain containing a triazole ring and a phenyl group with a hydroxyl group.</p> |
| 166 |  <p>Chemical structure 166: A complex molecule featuring a central bicyclic core with multiple hydroxyl groups and a side chain containing a triazole ring and a phenyl group with a carbonyl group.</p> |
| 167 |  <p>Chemical structure 167: A complex molecule featuring a central bicyclic core with multiple hydroxyl groups and a side chain containing a triazole ring and a phenyl group with a hydroxyl group.</p> |

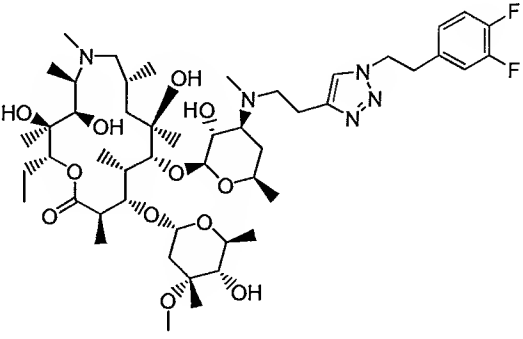
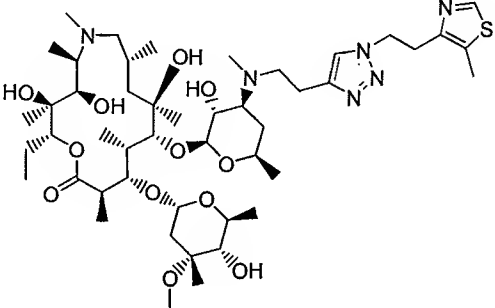
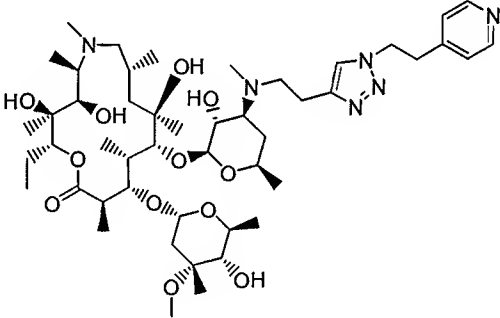
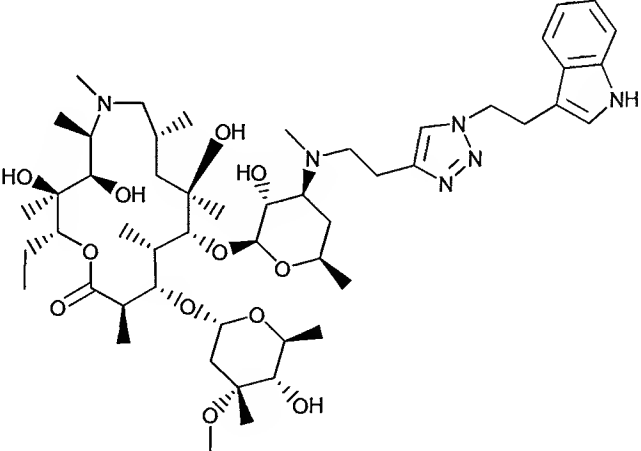
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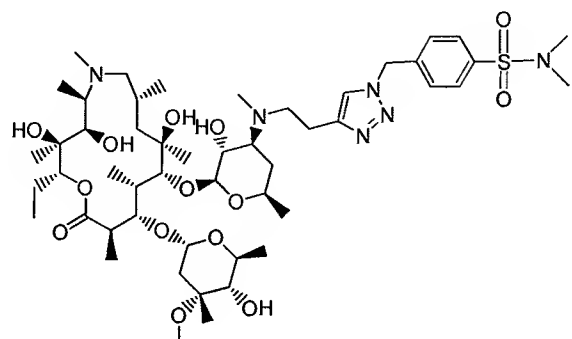
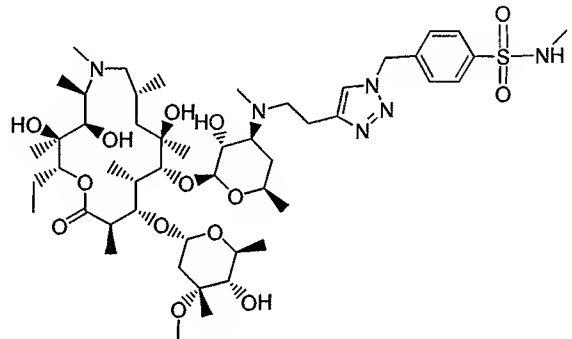
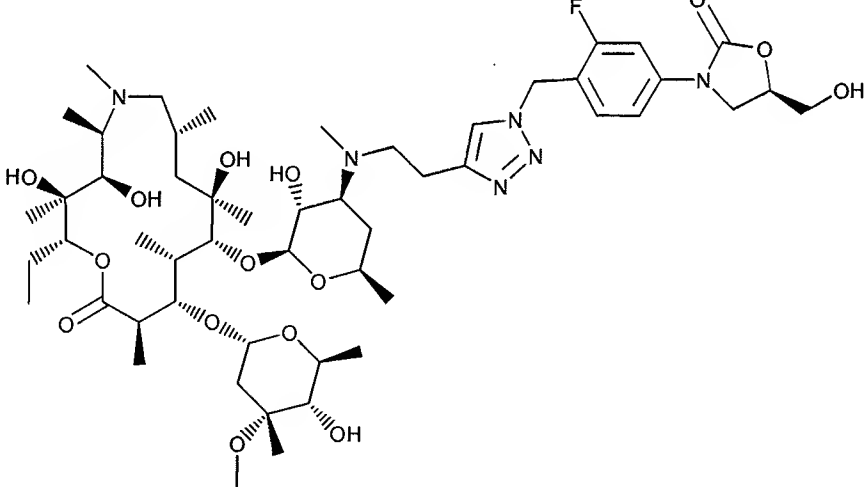
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| 171 |  <p>Chemical structure of compound 171, a complex molecule featuring a central core with multiple hydroxyl groups, a methylated nitrogen, and a side chain containing a 1,2,3,4-tetrahydro-1H-1,2,3-triazole ring. The side chain is substituted with a 4-nitrophenyl group and a 2-fluoroethyl group.</p> |
| 172 |  <p>Chemical structure of compound 172, a complex molecule featuring a central core with multiple hydroxyl groups, a methylated nitrogen, and a side chain containing a 1,2,3,4-tetrahydro-1H-1,2,3-triazole ring. The side chain is substituted with a 4-nitrophenyl group and a 2-ethylhexyl group.</p> |
| 173 |  <p>Chemical structure of compound 173, a complex molecule featuring a central core with multiple hydroxyl groups, a methylated nitrogen, and a side chain containing a 1,2,3,4-tetrahydro-1H-1,2,3-triazole ring. The side chain is substituted with a 3-nitrophenyl group and a 2-ethylhexyl group.</p> |

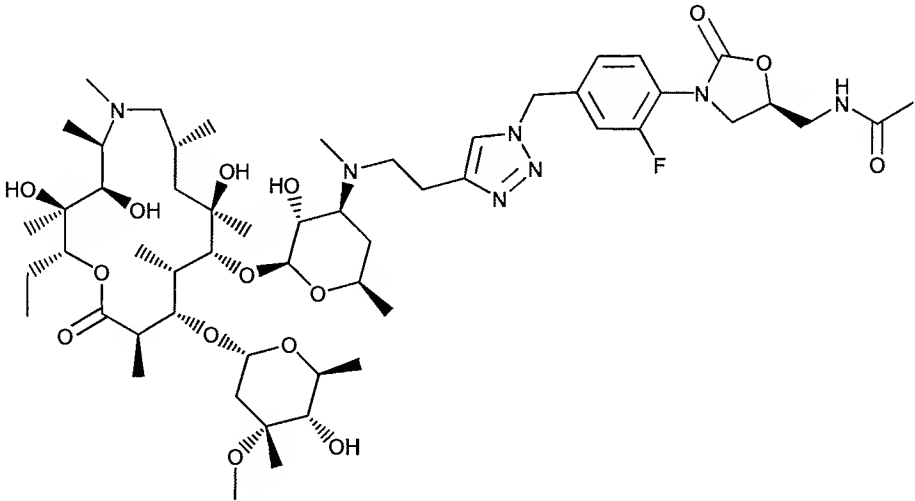
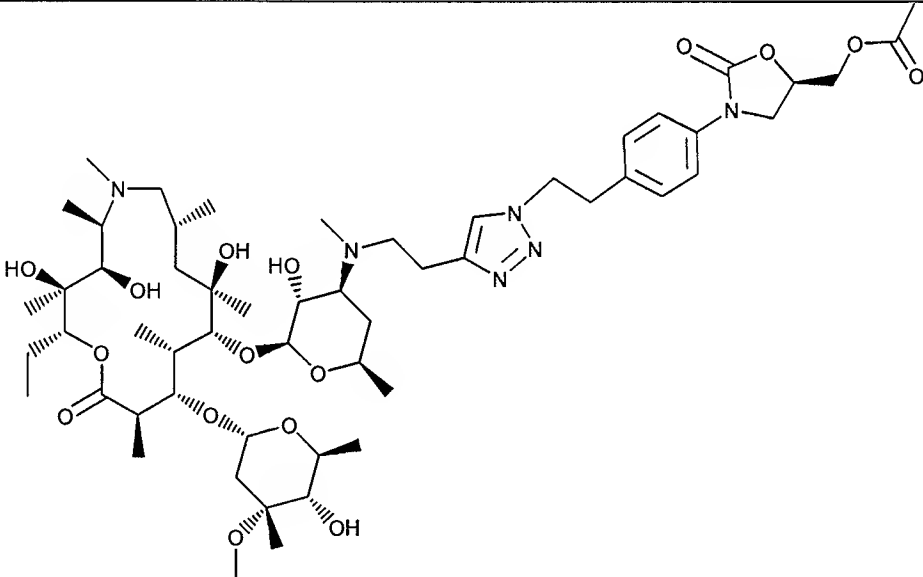
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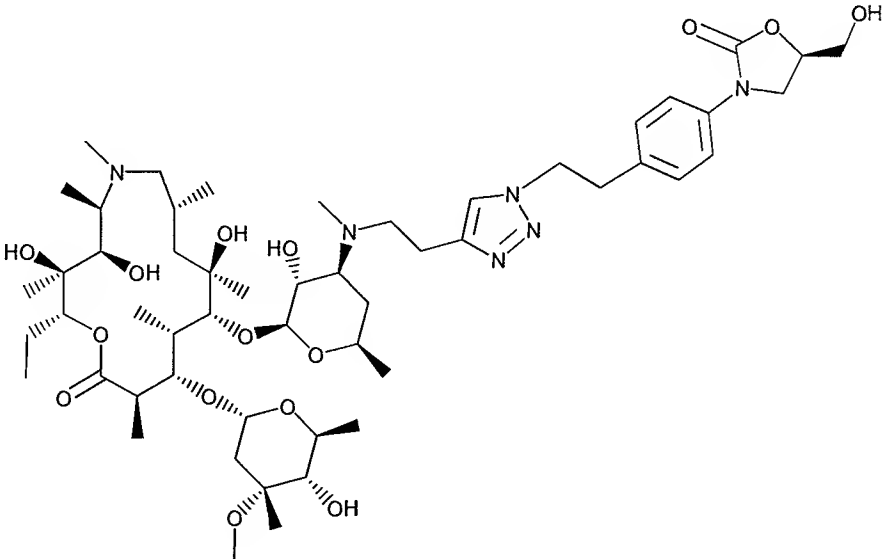
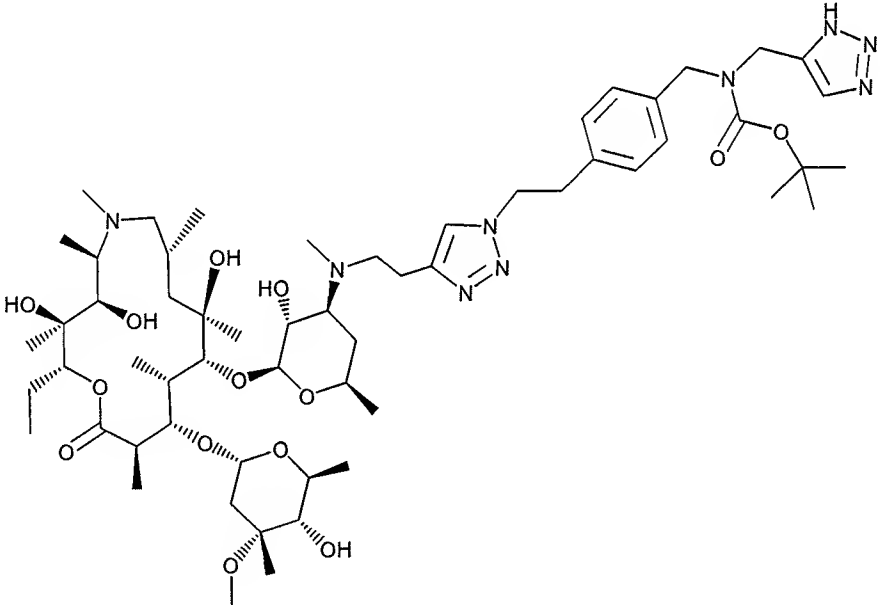
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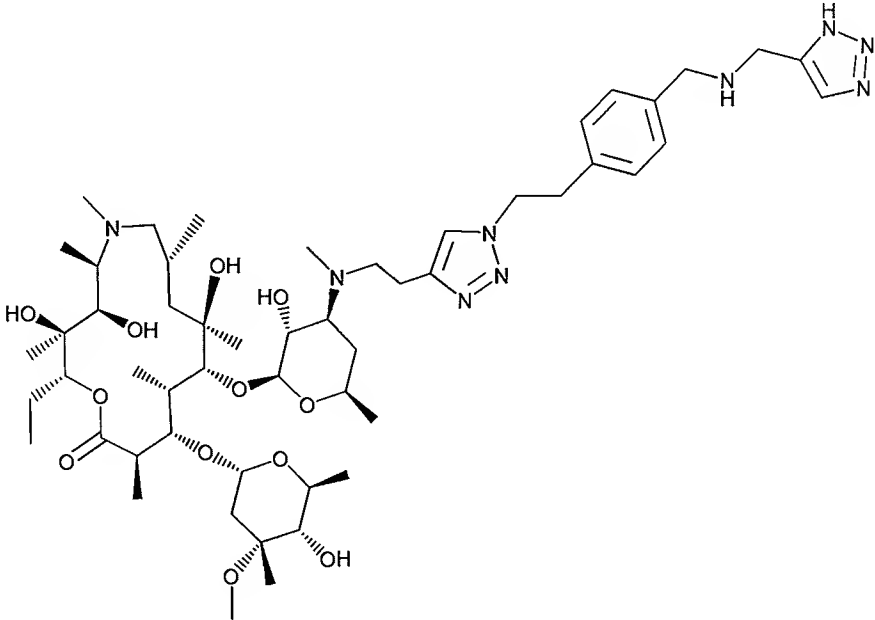
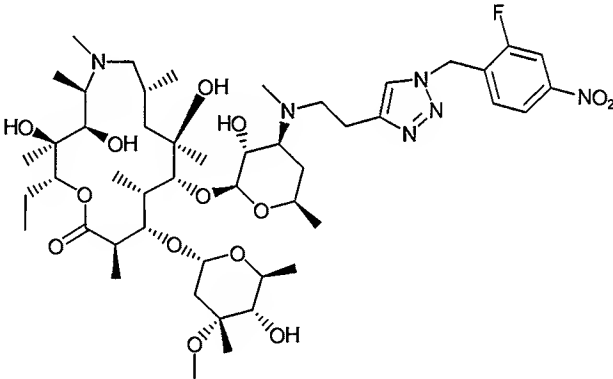
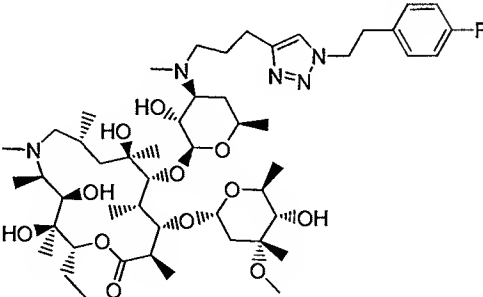
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| 181 |  <chem>CO[C@H]1O[C@H](C[C@@H]2[C@@H](O)[C@H](O)[C@H](O)[C@H]2O)[C@H](O)[C@H](O)[C@H]1O</chem> |
| 182 |  <chem>CO[C@H]1O[C@H](C[C@@H]2[C@@H](O)[C@H](O)[C@H](O)[C@H]2O)[C@H](O)[C@H](O)[C@H]1O</chem> |
| 183 |  <chem>CO[C@H]1O[C@H](C[C@@H]2[C@@H](O)[C@H](O)[C@H](O)[C@H]2O)[C@H](O)[C@H](O)[C@H]1O</chem> |
| 184 |  <chem>CO[C@H]1O[C@H](C[C@@H]2[C@@H](O)[C@H](O)[C@H](O)[C@H]2O)[C@H](O)[C@H](O)[C@H]1O</chem> |

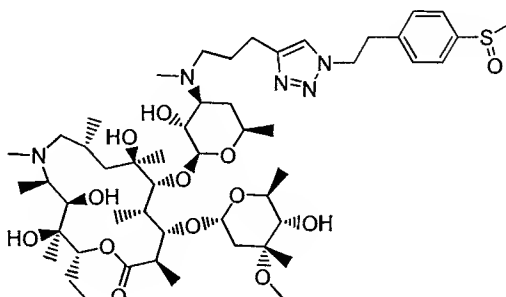
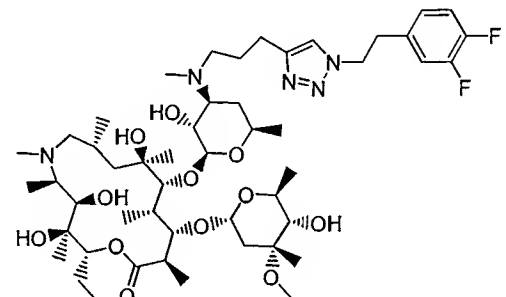
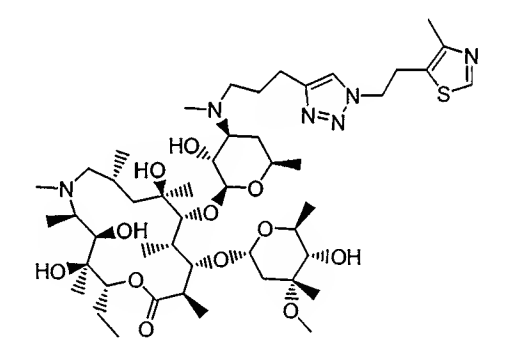
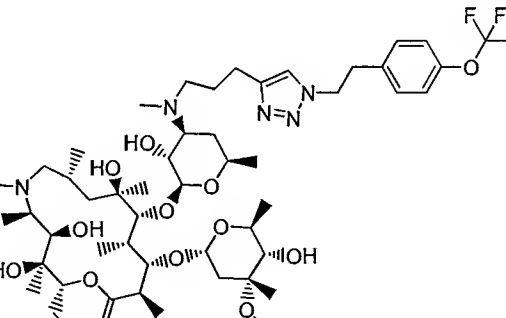
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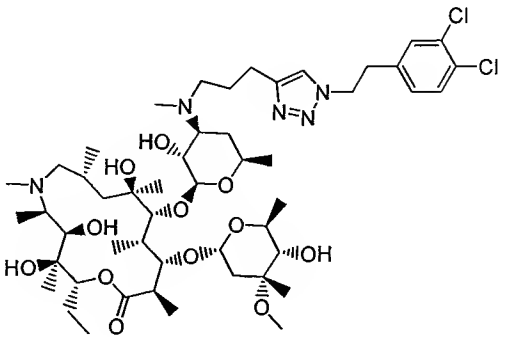
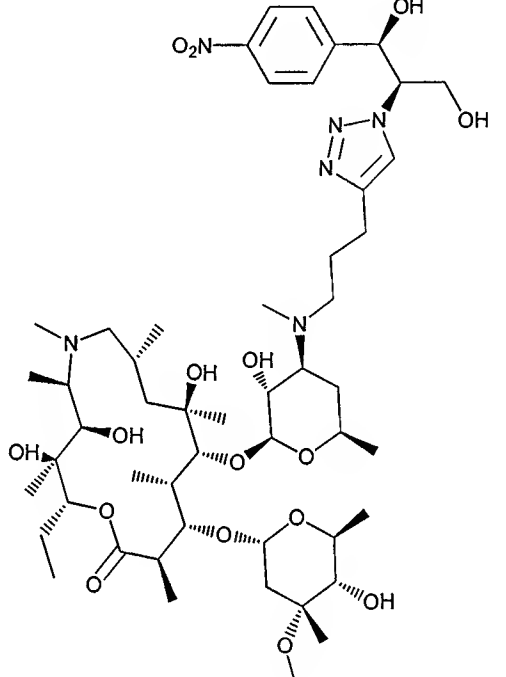
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| 189 |  <chem>CN(C)S(=O)(=O)c1ccc(cc1)CNc2nn[nH]2CN[C@H]3[C@@H](O)[C@H](O)[C@@H](O)[C@H](O)[C@H]3O[C@H]4[C@@H](O)[C@H](O)[C@@H](O)[C@H](O)[C@H]4O</chem> |
| 190 |  <chem>NS(=O)(=O)c1ccc(cc1)CNc2nn[nH]2CN[C@H]3[C@@H](O)[C@H](O)[C@@H](O)[C@H](O)[C@H]3O[C@H]4[C@@H](O)[C@H](O)[C@@H](O)[C@H](O)[C@H]4O</chem> |
| 191 |  <chem>O=C1O[C@H](CO)N1c2ccc(cc2F)CNc3nn[nH]3CN[C@H]4[C@@H](O)[C@H](O)[C@@H](O)[C@H](O)[C@H]4O[C@H]5[C@@H](O)[C@H](O)[C@@H](O)[C@H](O)[C@H]5O</chem> |

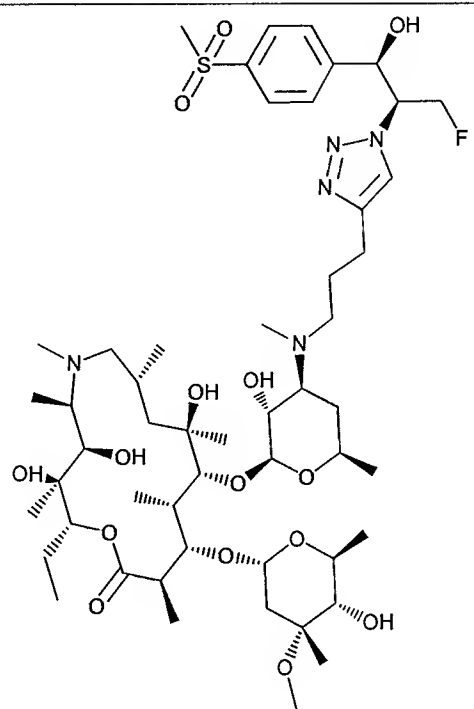
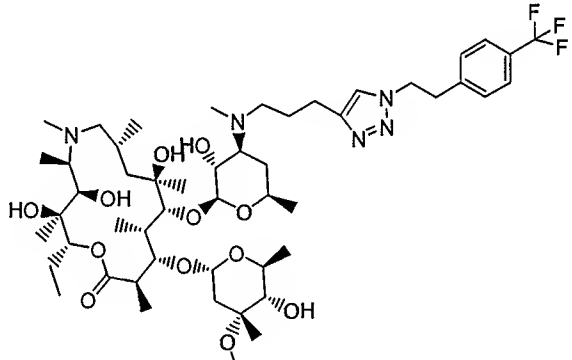
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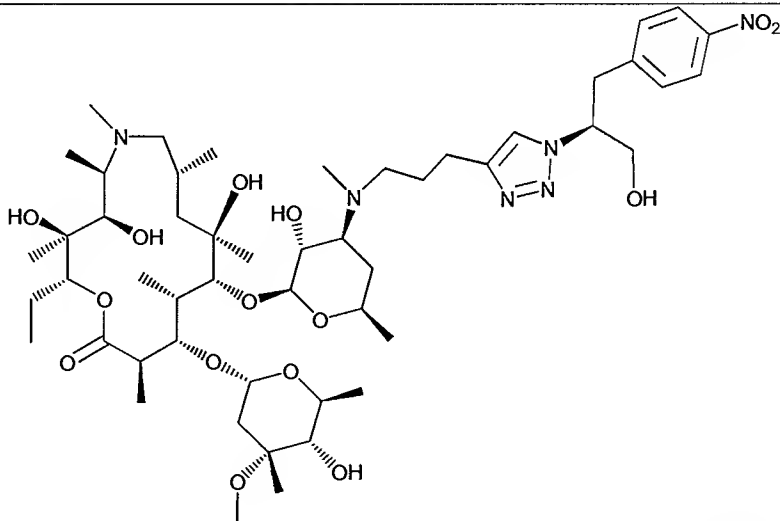
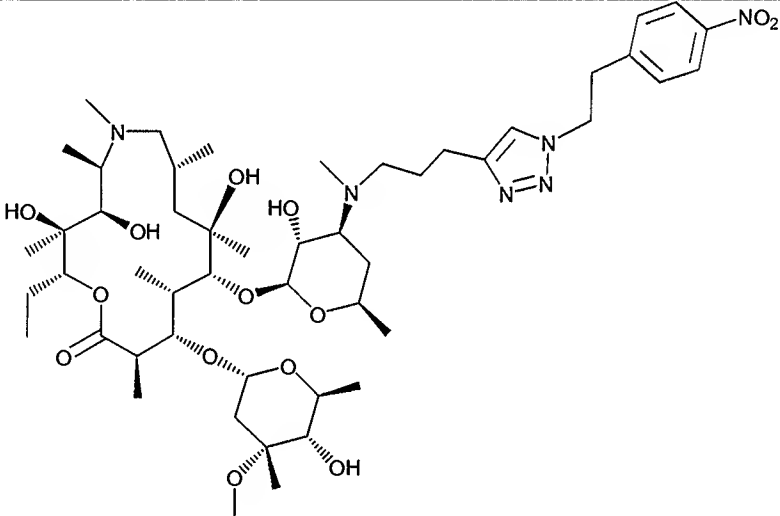
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| 194 |  <p>Chemical structure of compound 194, a complex molecule featuring a central bicyclic core with multiple hydroxyl groups and a side chain containing a triazole ring, a phenyl group, and a hydroxymethyl group.</p> |
| 195 |  <p>Chemical structure of compound 195, a complex molecule featuring a central bicyclic core with multiple hydroxyl groups and a side chain containing a triazole ring, a phenyl group, and a hydroxymethyl group.</p> |

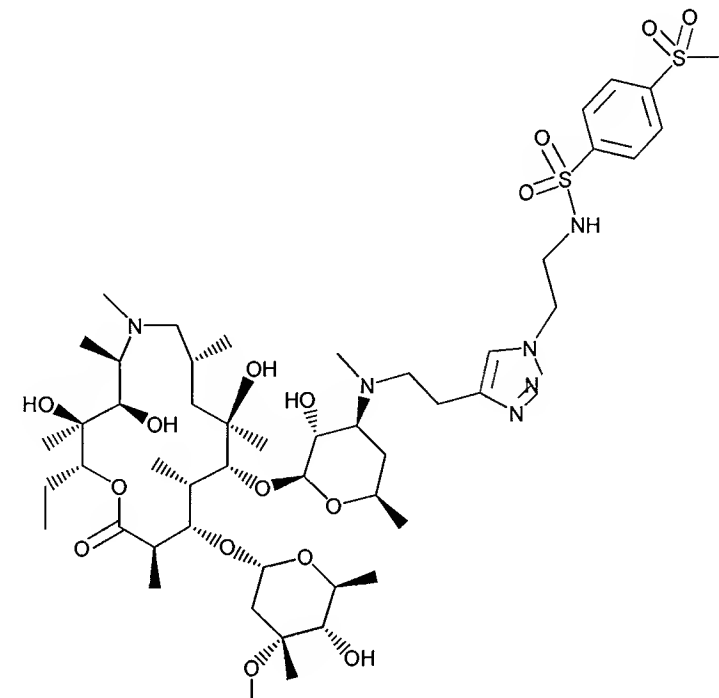
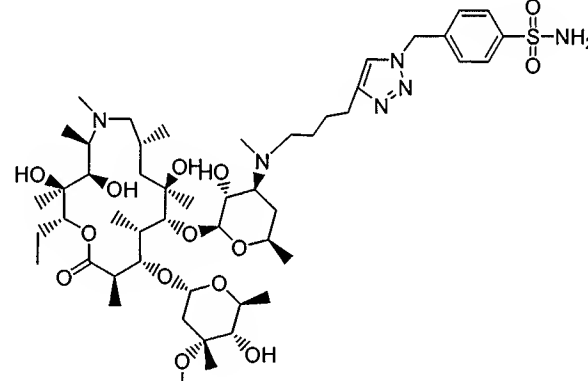
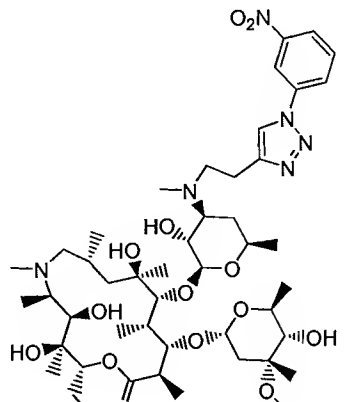
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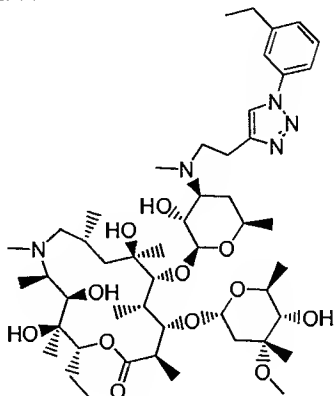
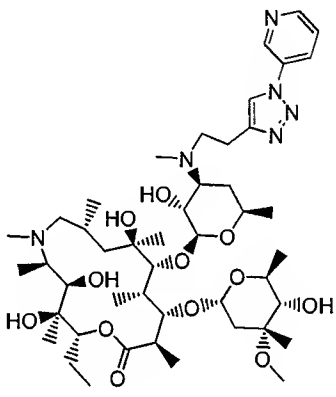
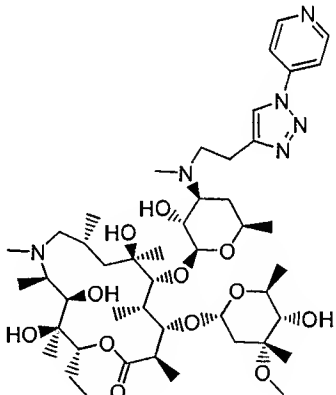
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| 199 |  <p>Chemical structure 199: A complex molecule featuring a central bicyclic core with multiple hydroxyl groups and a side chain containing a triazole ring and a p-toluenesulfonyl group.</p> |
| 200 |  <p>Chemical structure 200: A complex molecule featuring a central bicyclic core with multiple hydroxyl groups and a side chain containing a triazole ring and a 2,4-difluorophenyl group.</p> |
| 201 |  <p>Chemical structure 201: A complex molecule featuring a central bicyclic core with multiple hydroxyl groups and a side chain containing a triazole ring and a 2-methylthienyl group.</p> |
| 202 |  <p>Chemical structure 202: A complex molecule featuring a central bicyclic core with multiple hydroxyl groups and a side chain containing a triazole ring and a 4-(trifluoromethoxy)phenyl group.</p> |

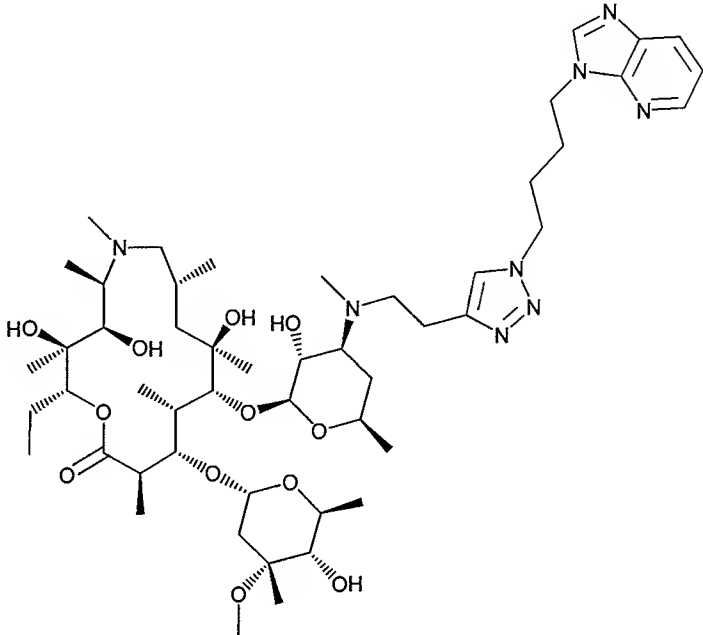
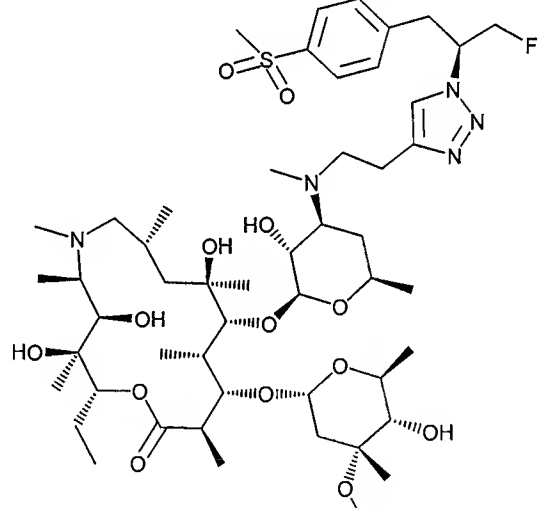
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| 203 |  <p>Chemical structure of compound 203, a complex molecule featuring a central bicyclic core with multiple hydroxyl groups and a side chain containing a 1,2,4-triazole ring and a 3,5-dichlorophenyl group.</p> |
| 204 |  <p>Chemical structure of compound 204, a complex molecule featuring a central bicyclic core with multiple hydroxyl groups and a side chain containing a 1,2,4-triazole ring and a 4-nitrophenyl group.</p> |

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| 205 |  <p>Chemical structure 205 is a complex molecule. It features a central bicyclic core with multiple hydroxyl groups and a sulfonamide group. The sulfonamide group is attached to a benzene ring, which is further substituted with a hydroxyl group and a fluoromethyl group. A triazole ring is also present, connected to the central core via a propyl chain.</p> |
| 206 |  <p>Chemical structure 206 is a complex molecule. It features a central bicyclic core with multiple hydroxyl groups and a sulfonamide group. The sulfonamide group is attached to a benzene ring, which is further substituted with a hydroxyl group and a fluoromethyl group. A triazole ring is also present, connected to the central core via a propyl chain.</p> |

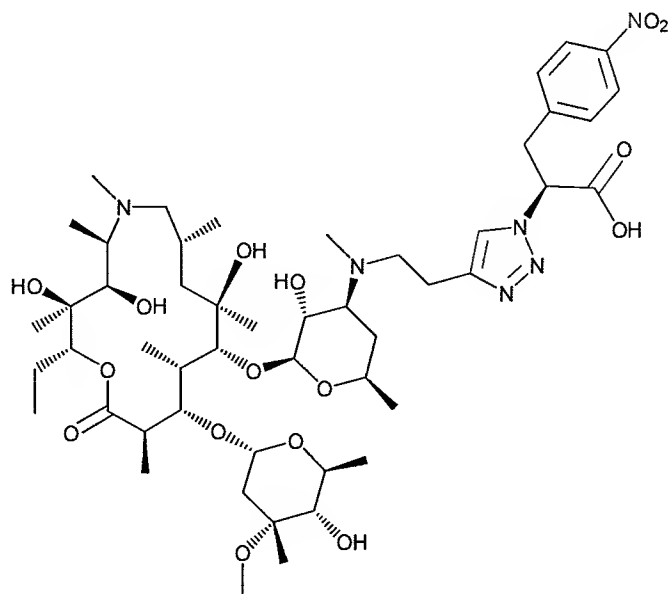
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| 207 |  <p>Chemical structure 207 is a complex molecule. It features a central bicyclic core with multiple hydroxyl groups and a nitrophenyl group attached via a triazole ring. The structure is highly detailed, showing stereochemistry and various functional groups.</p> |
| 208 |  <p>Chemical structure 208 is a complex molecule, similar to structure 207, but with a different side chain. It features a central bicyclic core with multiple hydroxyl groups and a nitrophenyl group attached via a triazole ring.</p> |

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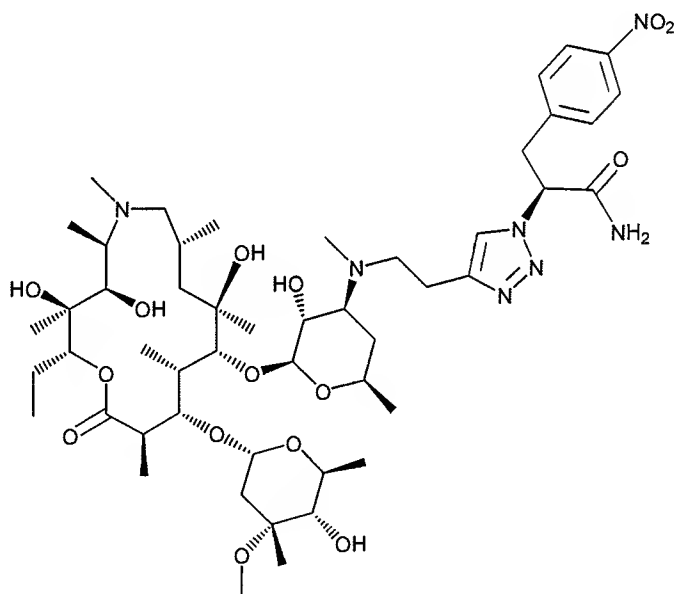
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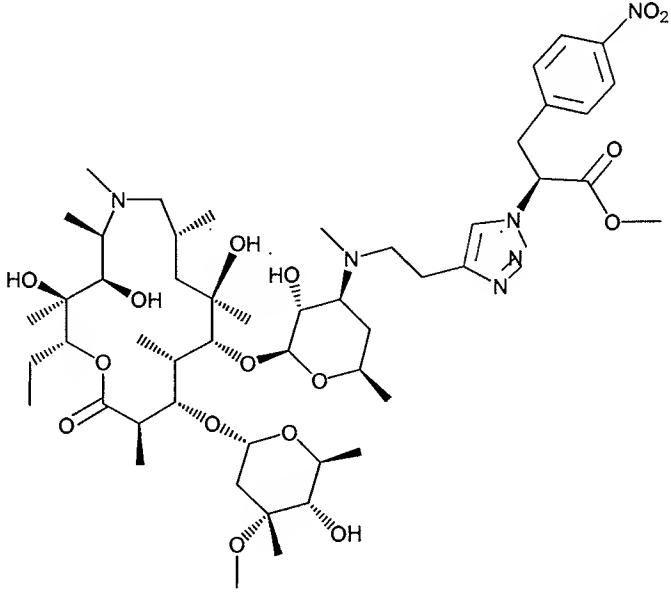
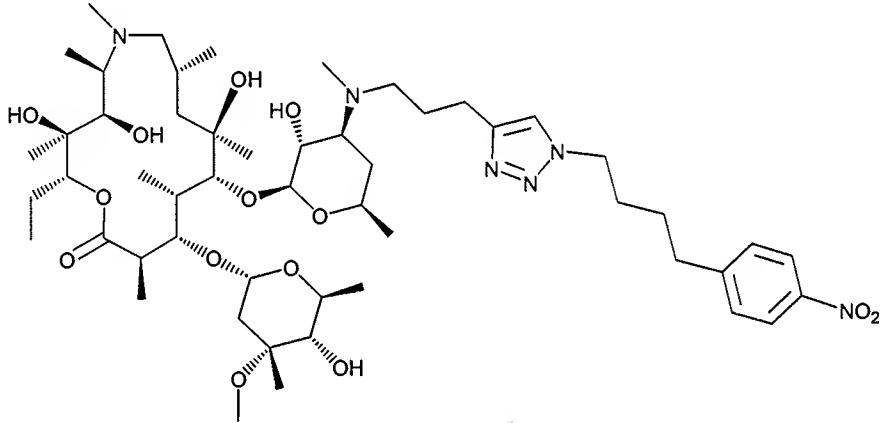
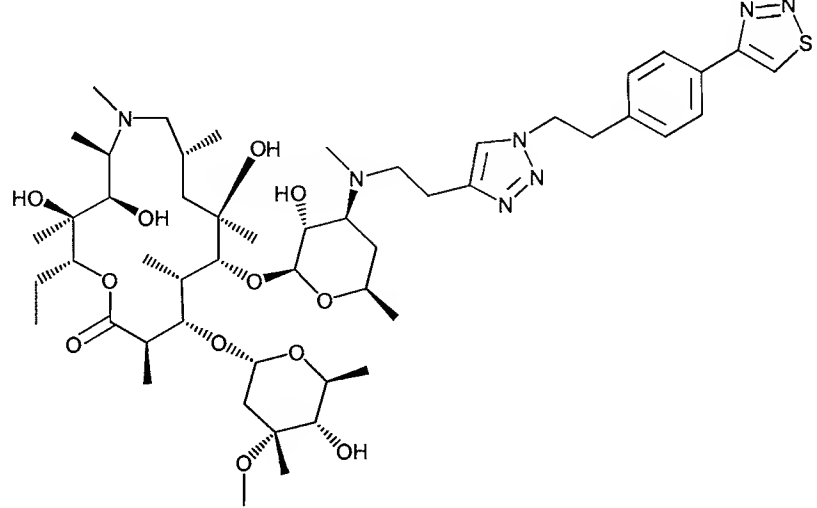
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| 215 |  <p>Chemical structure 215 is a complex molecule. It features a central pyranose ring with multiple hydroxyl groups and a methyl group. The molecule is substituted with a long chain containing a pyrazole ring and a quinoline ring system.</p> |
| 216 |  <p>Chemical structure 216 is a complex molecule. It features a central pyranose ring with multiple hydroxyl groups and a methyl group. The molecule is substituted with a long chain containing a pyrazole ring and a sulfonamide group.</p> |

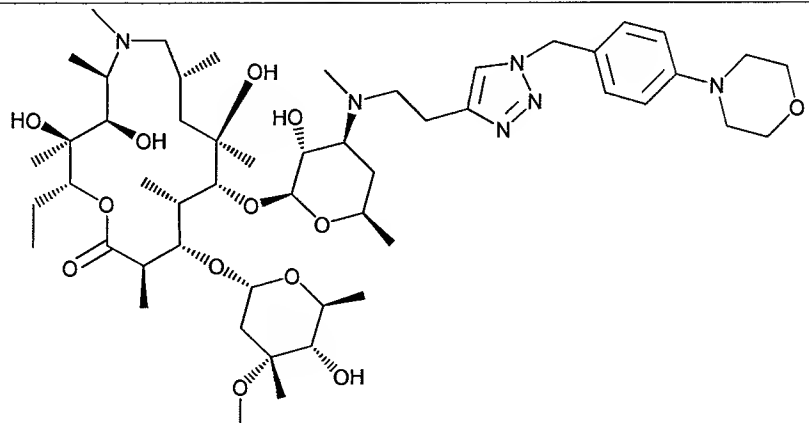
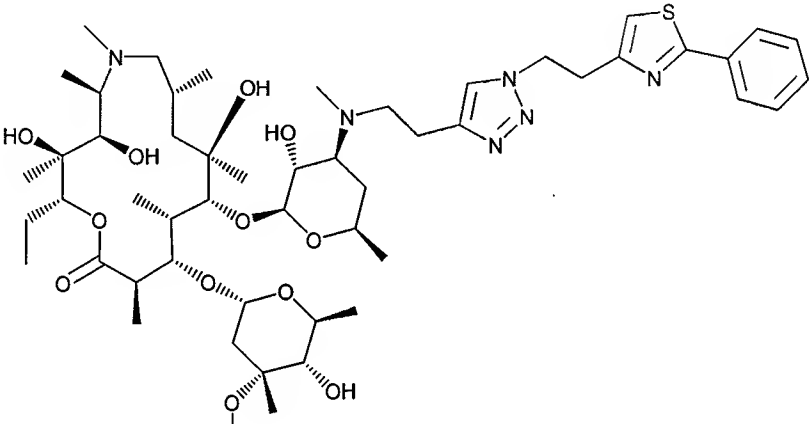
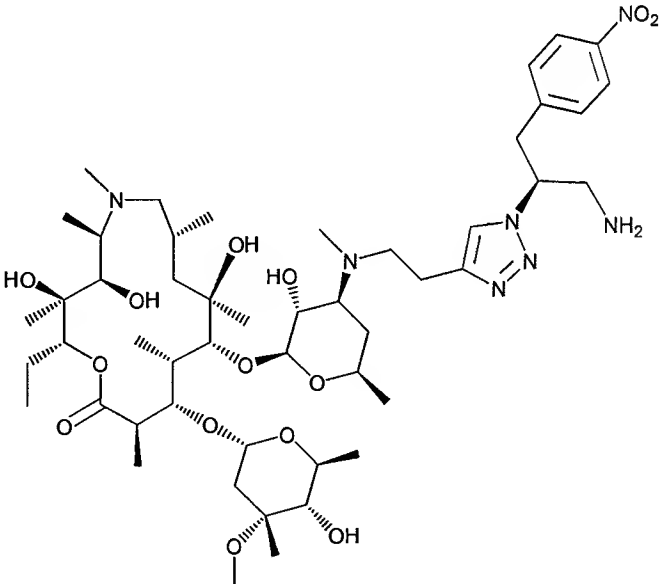
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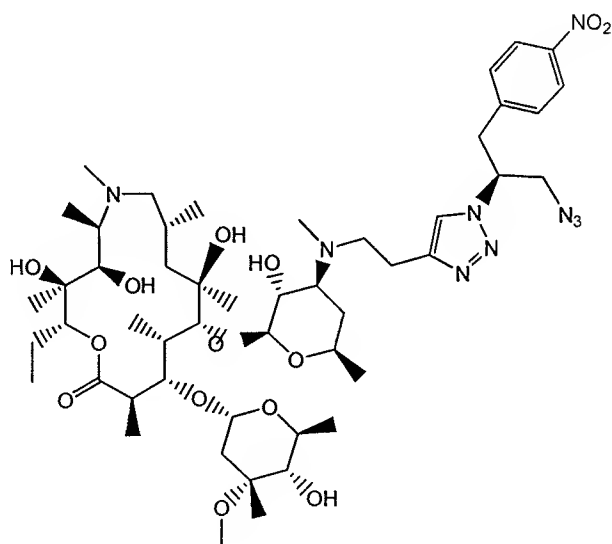
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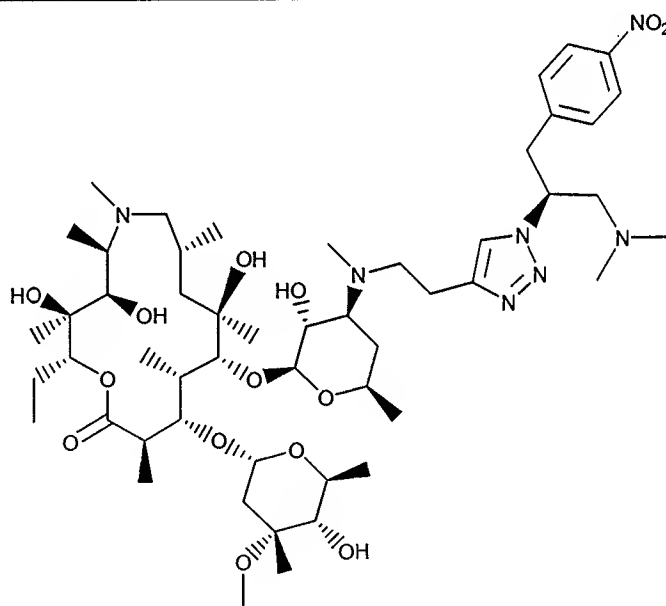
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| 219 |  <chem>COC(=O)[C@H](Cc1ccc([N+](=O)[O-])cc1)n2ncnc2CCN(C)[C@@H]3O[C@H](C[C@@H]4[C@@H](O)[C@H](C)[C@@H](O)[C@H]5[C@@H](OC(=O)C)[C@H](O)[C@H](C)[C@H]5O[C@H]4O)[C@H](O)[C@H](C)[C@H]3O</chem> |
| 221 |  <chem>COC(=O)[C@H](Cc1ccc([N+](=O)[O-])cc1)n2ncnc2CCCCN(C)[C@@H]3O[C@H](C[C@@H]4[C@@H](O)[C@H](C)[C@@H](O)[C@H]5[C@@H](OC(=O)C)[C@H](O)[C@H](C)[C@H]5O[C@H]4O)[C@H](O)[C@H](C)[C@H]3O</chem> |
| 222 |  <chem>COC(=O)[C@H](Cc1ccc(cc1)-c2nnsc2)n3ncnc3CCN(C)[C@@H]4O[C@H](C[C@@H]5[C@@H](O)[C@H](C)[C@@H](O)[C@H]6[C@@H](OC(=O)C)[C@H](O)[C@H](C)[C@H]6O[C@H]5O)[C@H](O)[C@H](C)[C@H]4O</chem> |

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| 223 |  |
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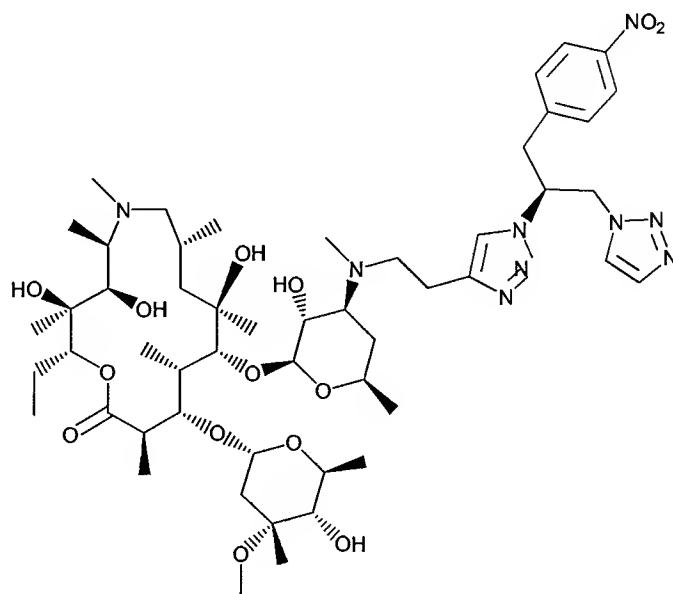
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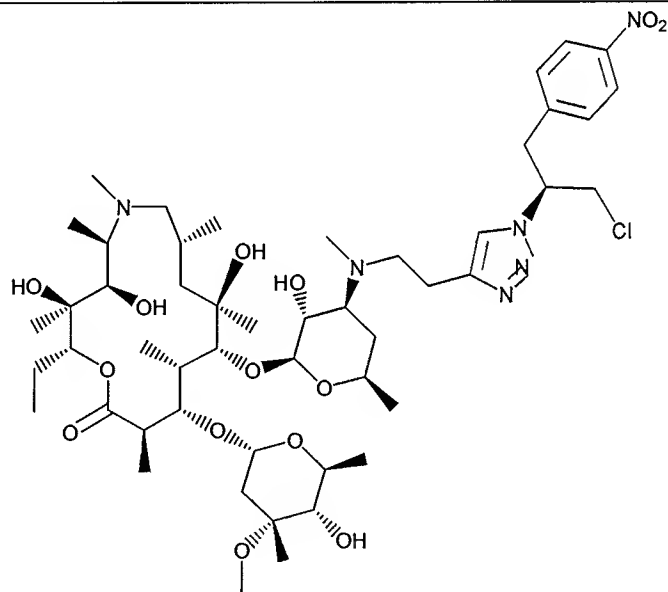
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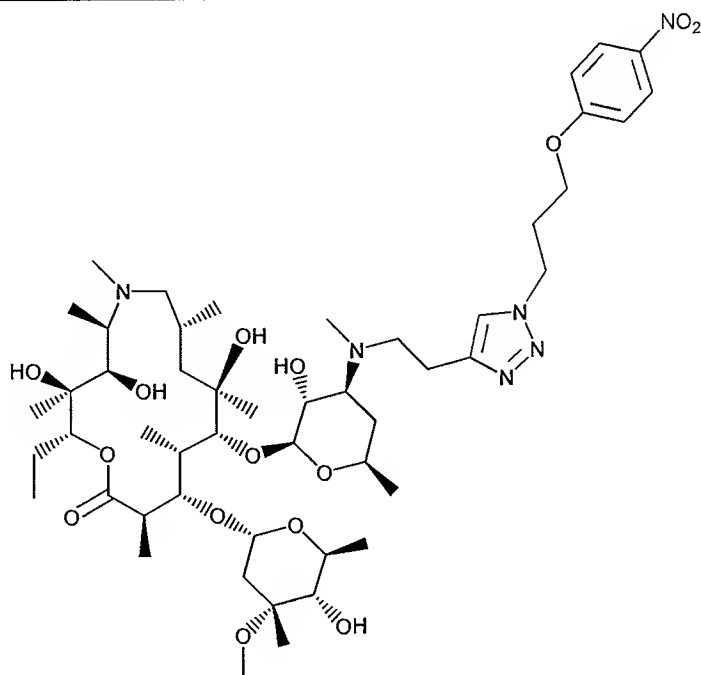
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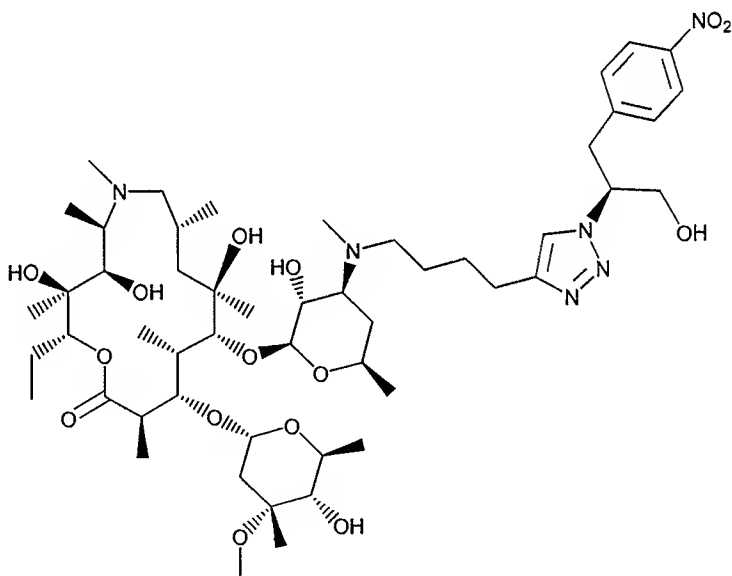
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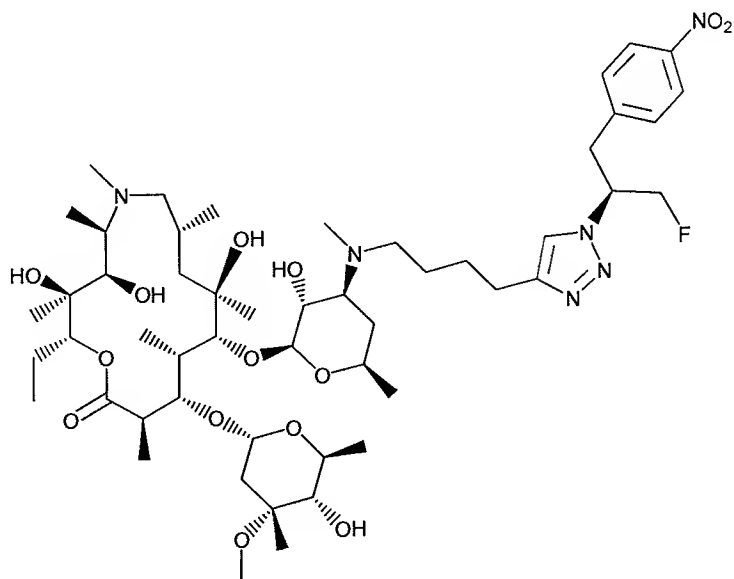
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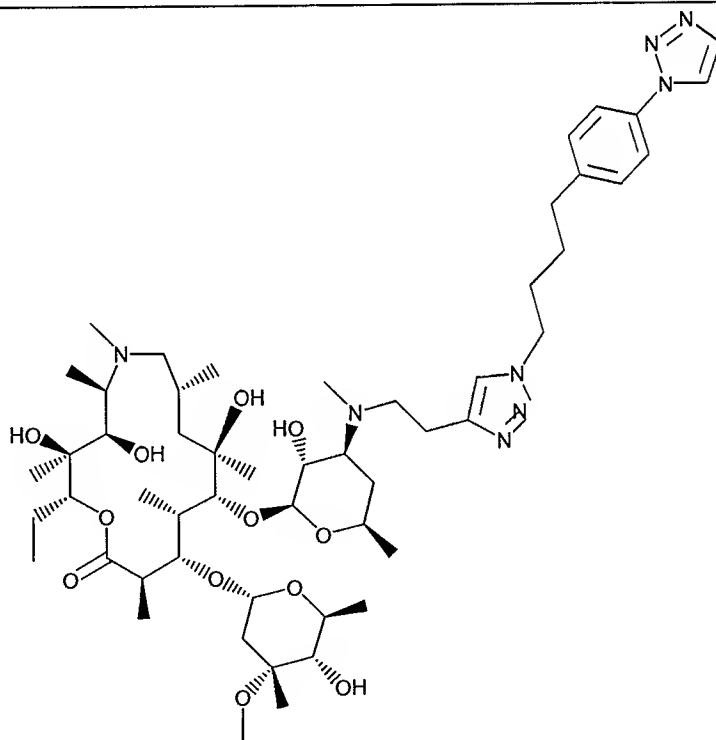
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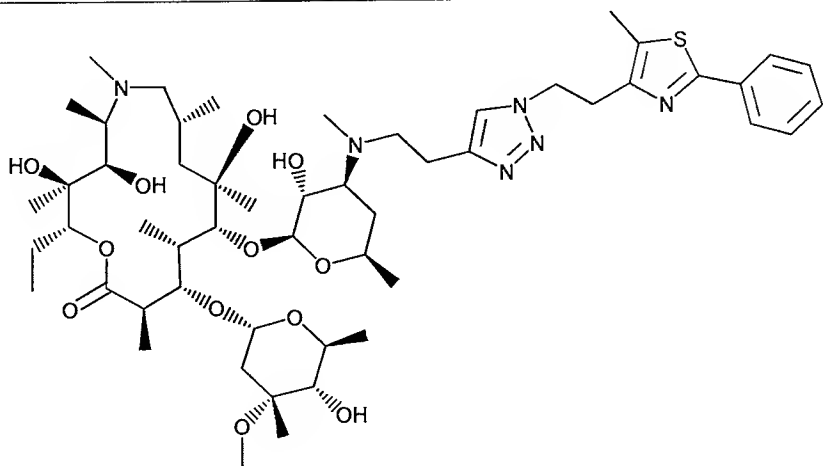
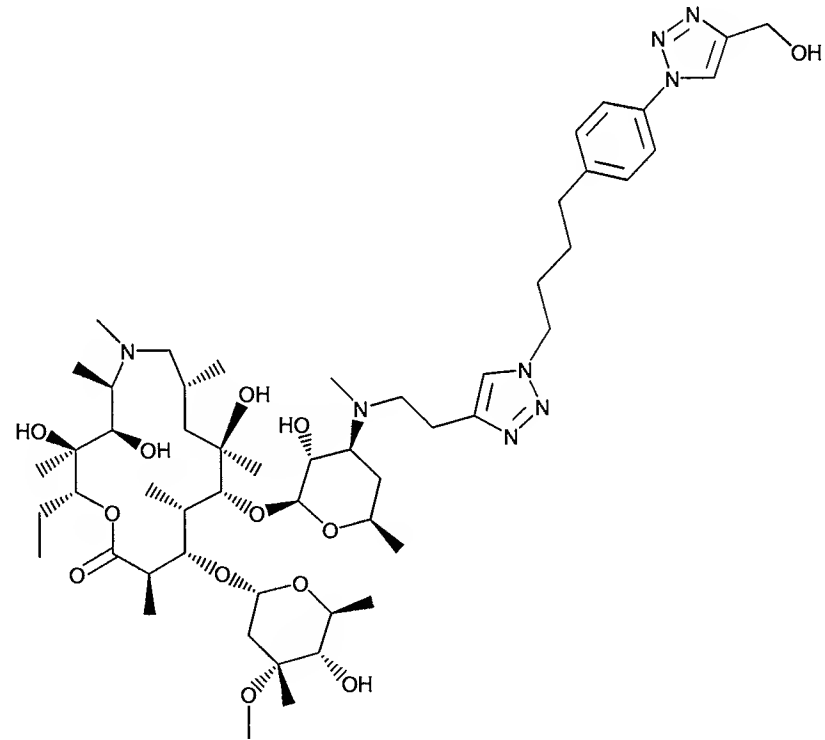


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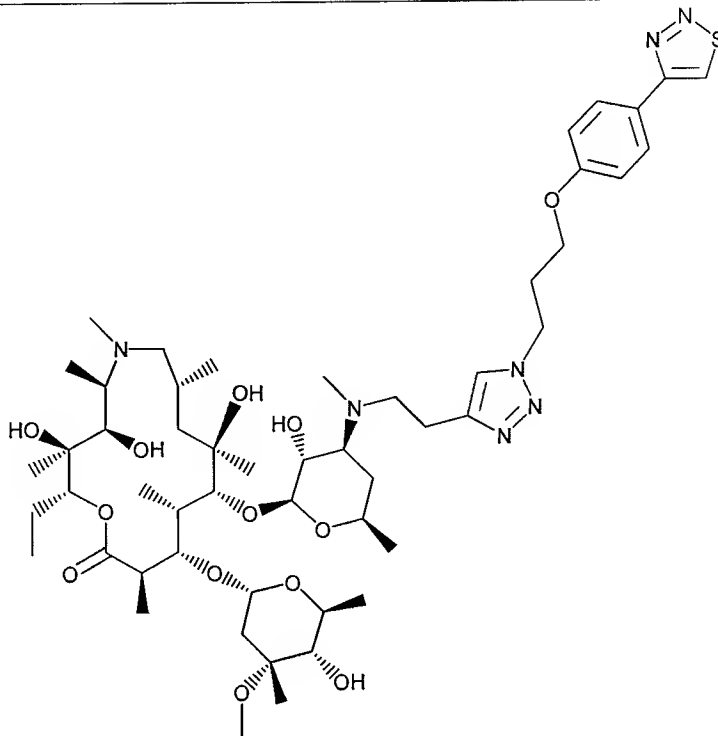


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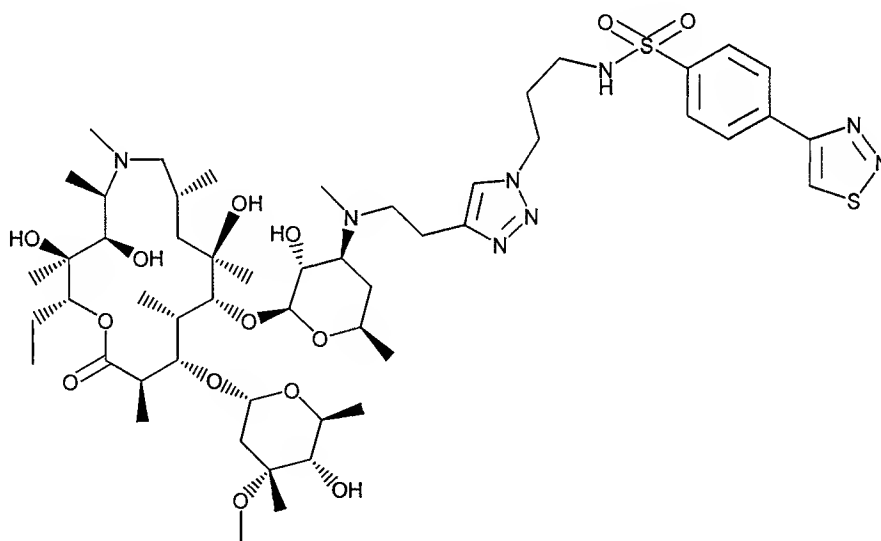


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| 234 |  <p>Chemical structure of compound 234, a complex molecule featuring a central bicyclic core with multiple hydroxyl groups and a side chain containing a triazole ring and a thiazole ring substituted with a phenyl group.</p> |
| 235 |  <p>Chemical structure of compound 235, a complex molecule featuring a central bicyclic core with multiple hydroxyl groups and a side chain containing a triazole ring and a phenyl ring substituted with a hydroxymethyl group.</p> |

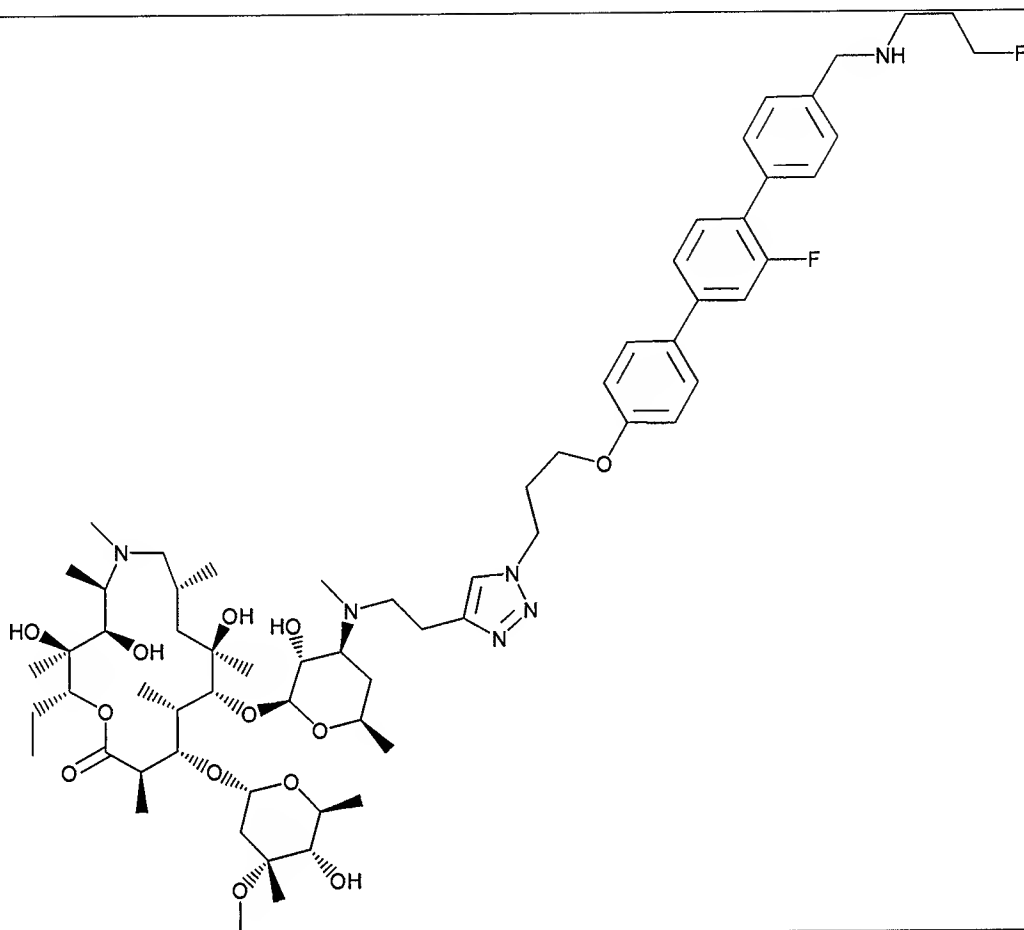
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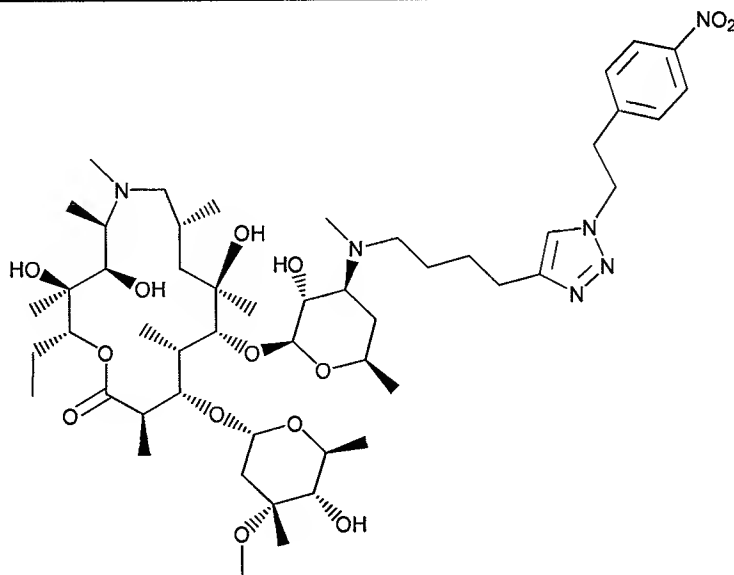
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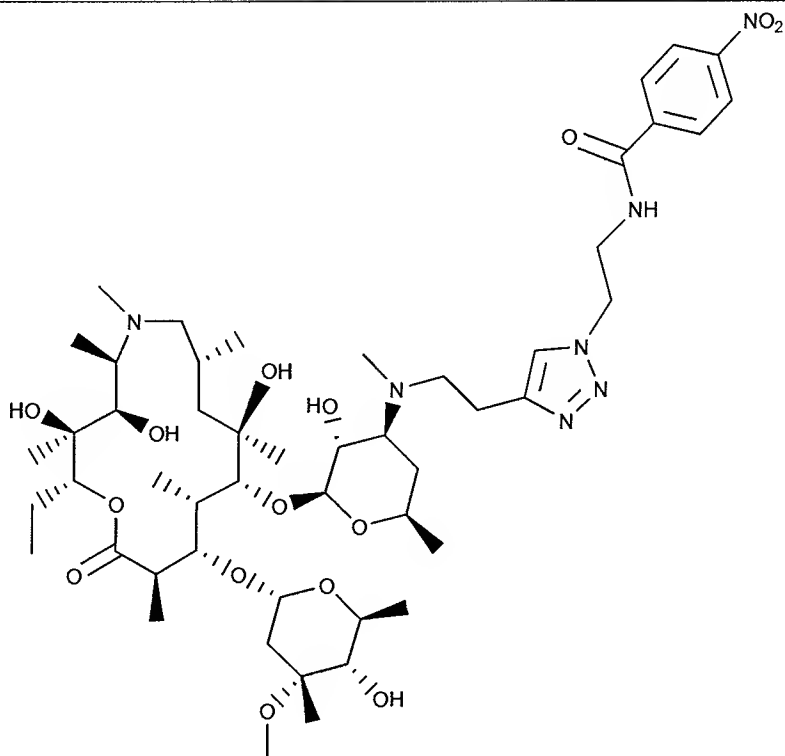
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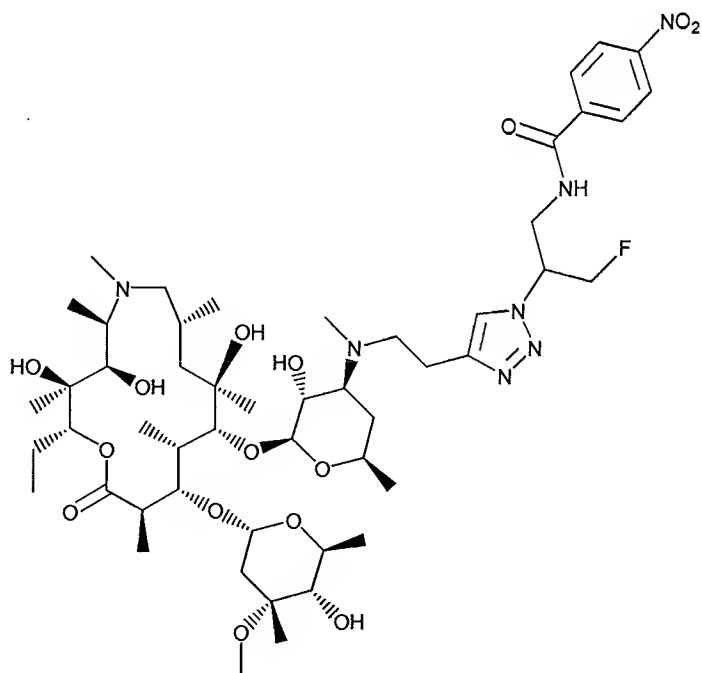
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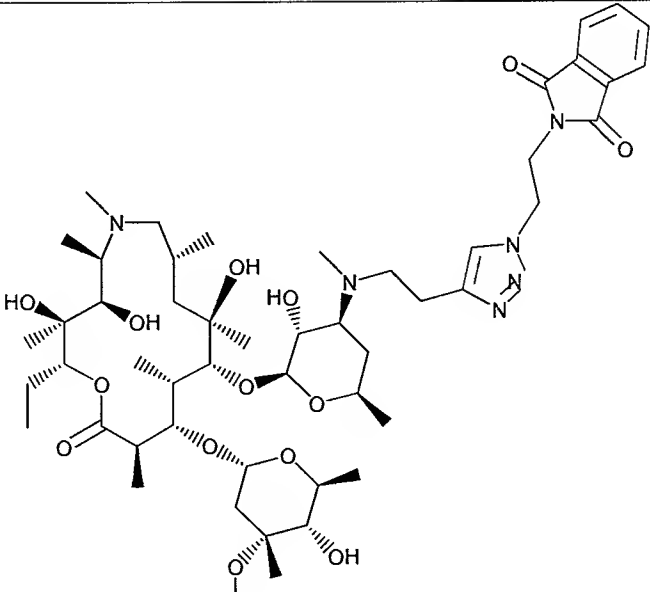
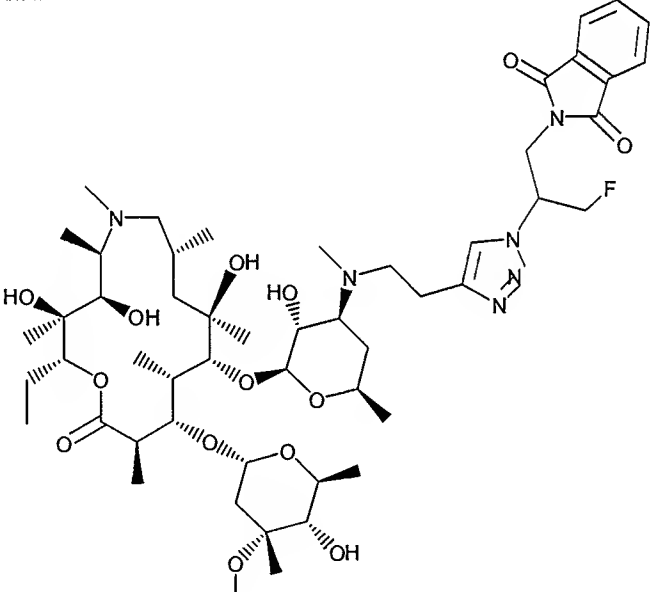


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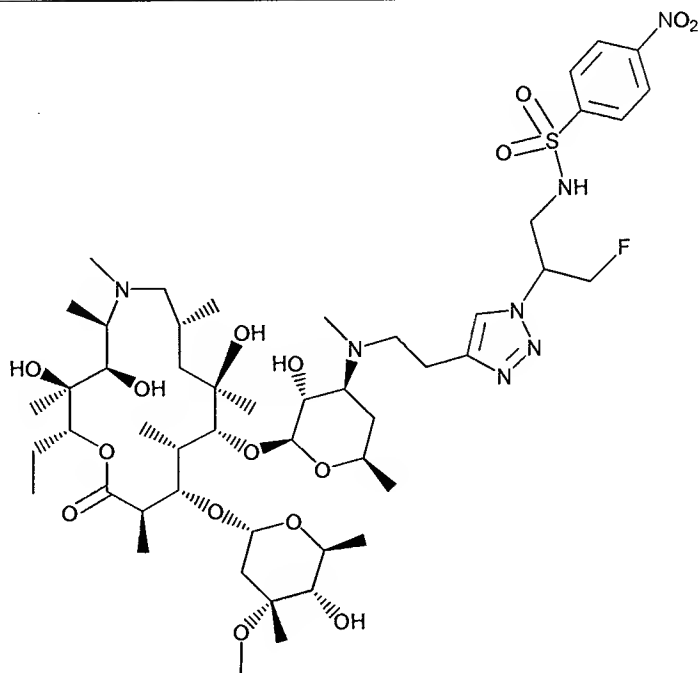


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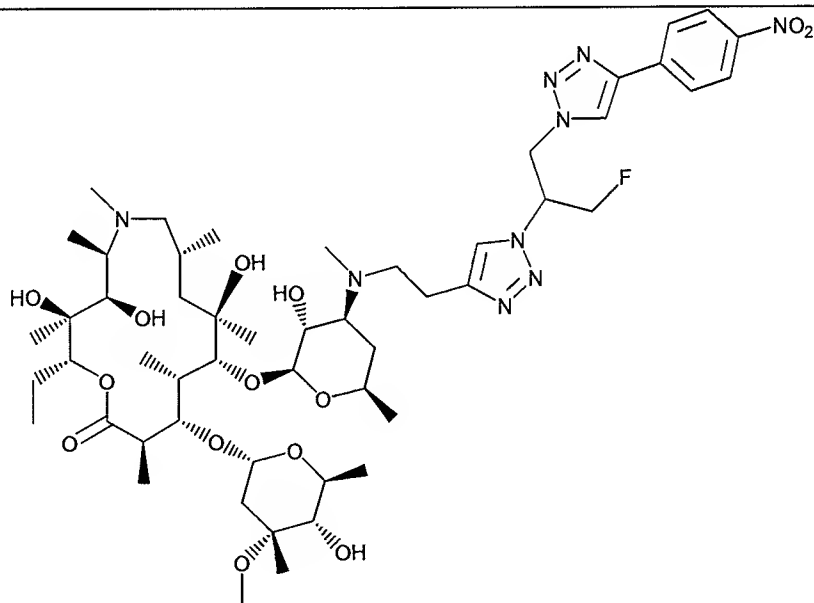


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| 244 |  <p>Chemical structure 244 is a complex molecule. It features a central bicyclic core with multiple hydroxyl groups and a side chain containing a triazole ring and a phthalimide group. The structure is highly detailed, showing stereochemistry and various functional groups.</p> |
| 245 |  <p>Chemical structure 245 is a complex molecule, similar to 244, but with a fluorine atom (F) instead of a hydroxyl group on the side chain. The structure is highly detailed, showing stereochemistry and various functional groups.</p> |

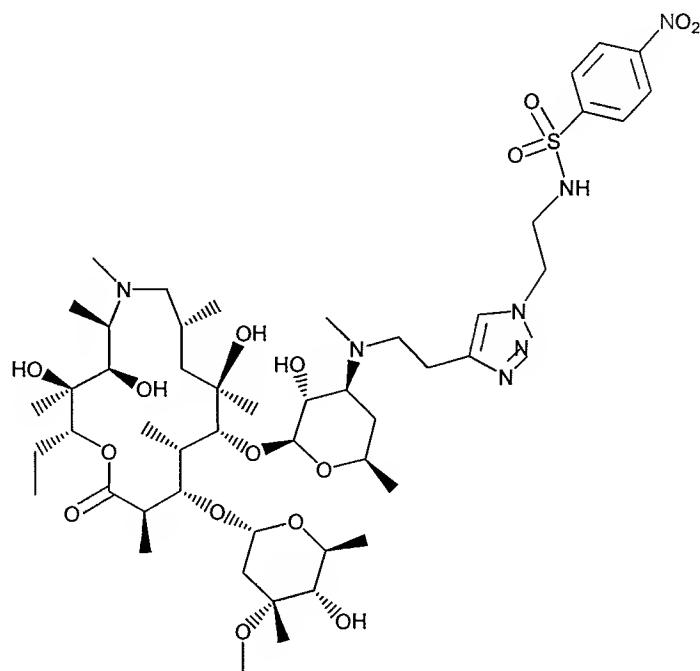
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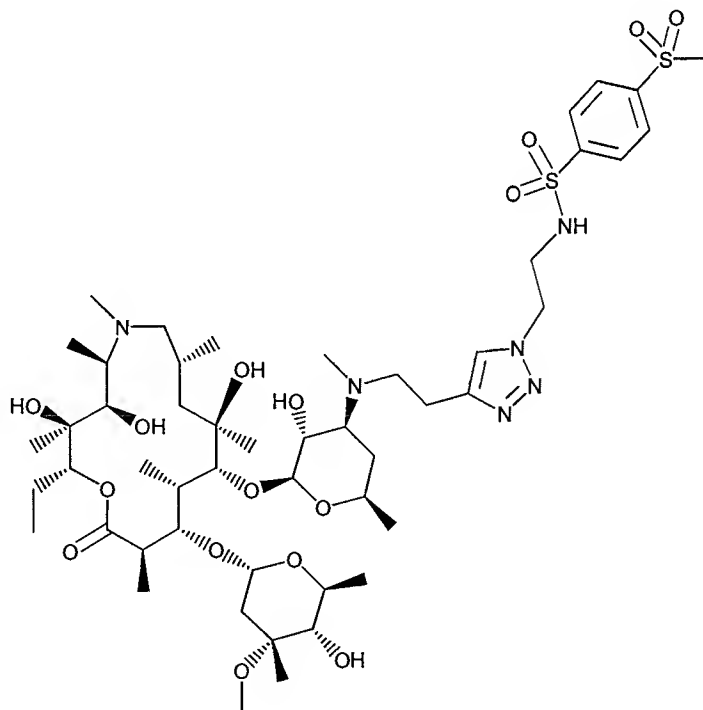
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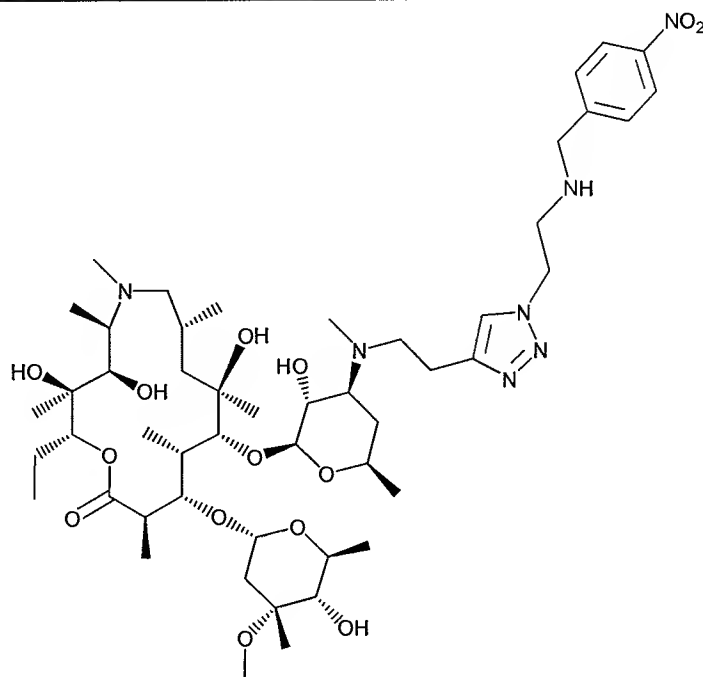
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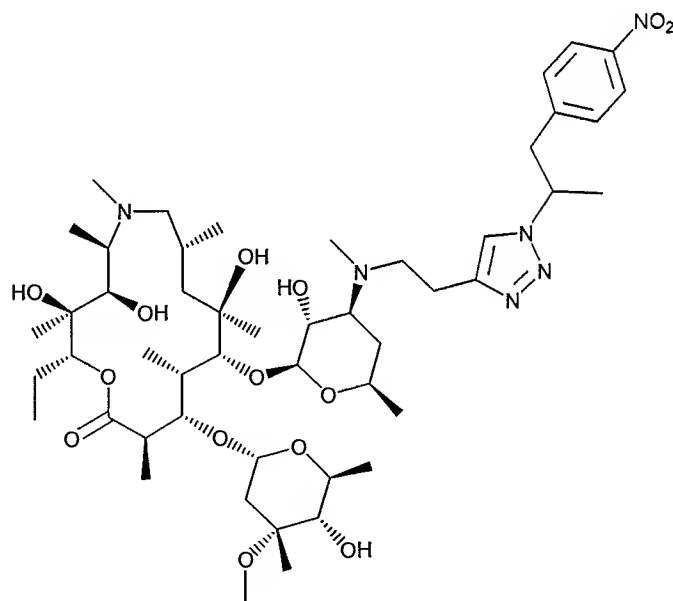
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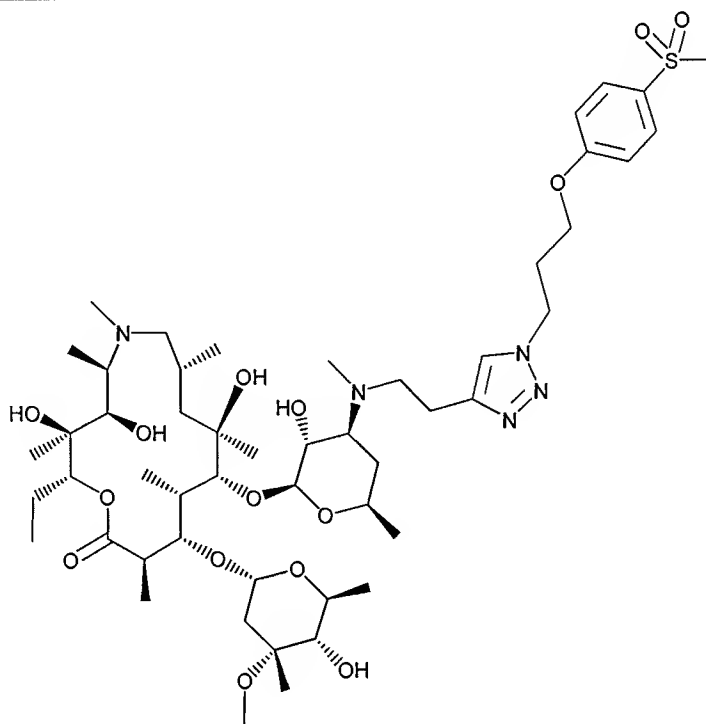
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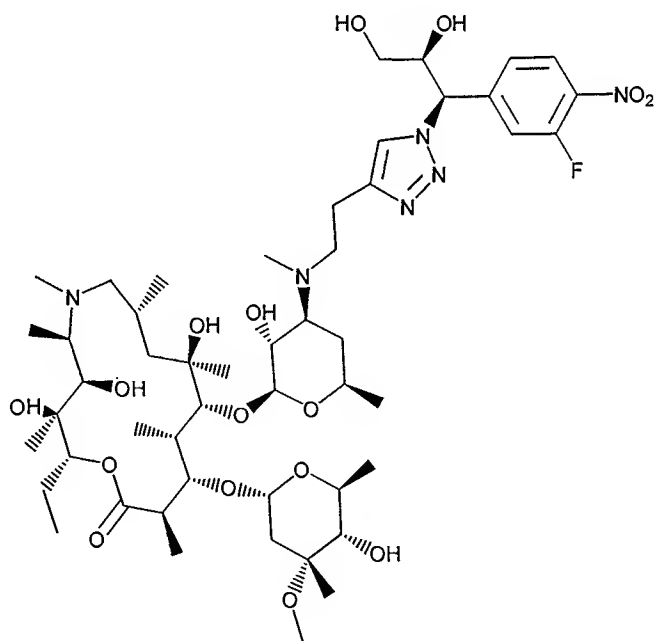
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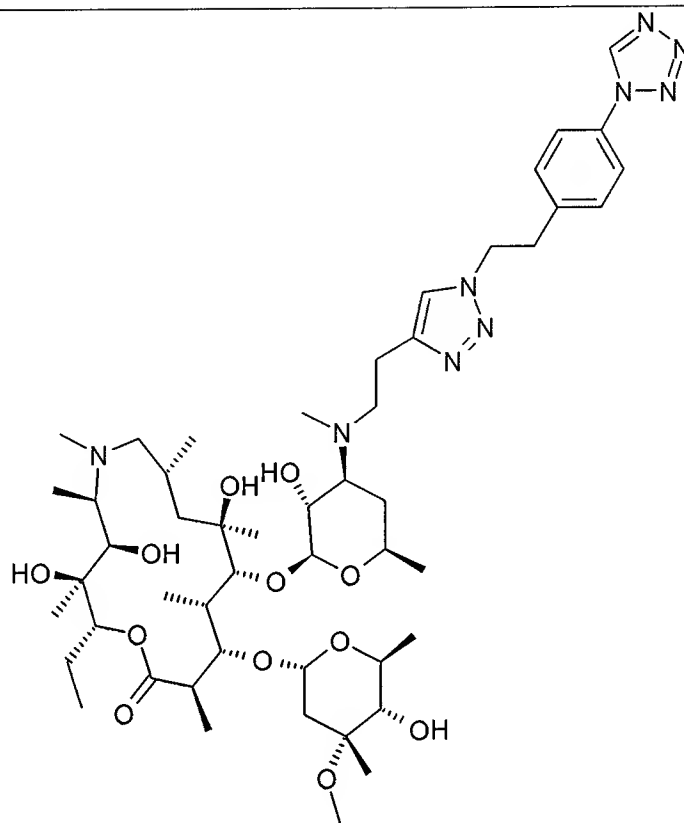
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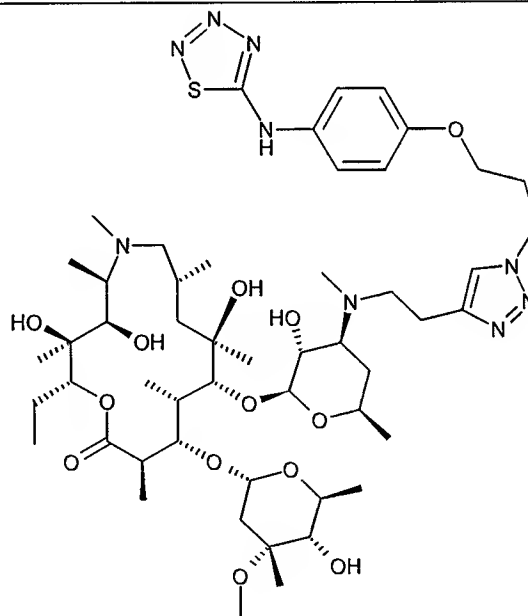
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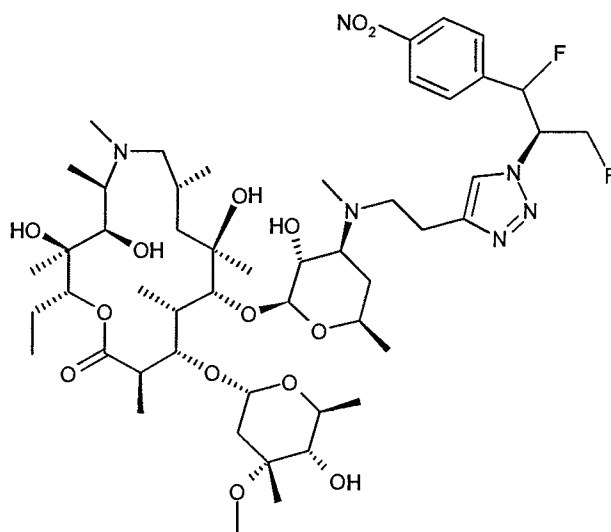
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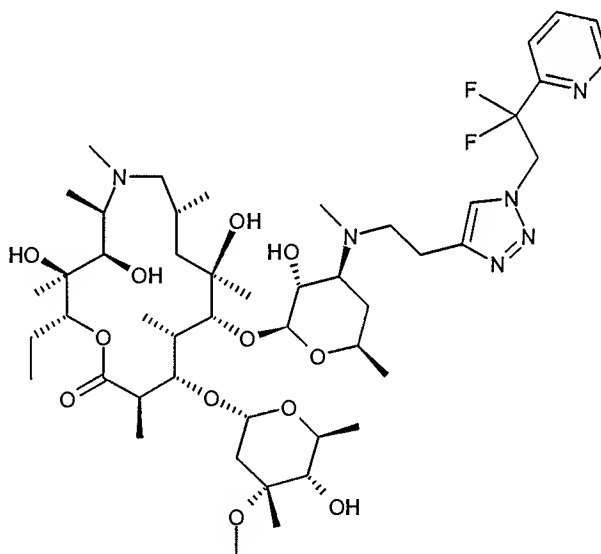
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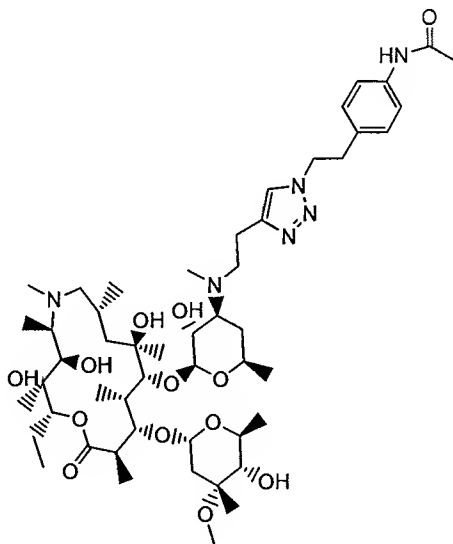
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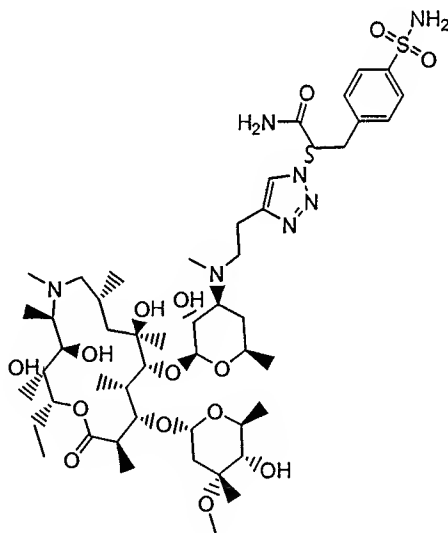
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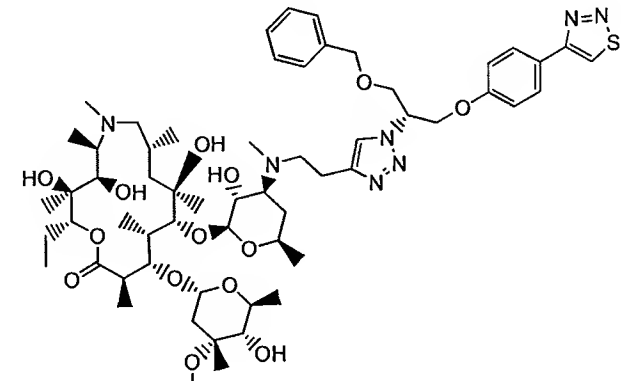
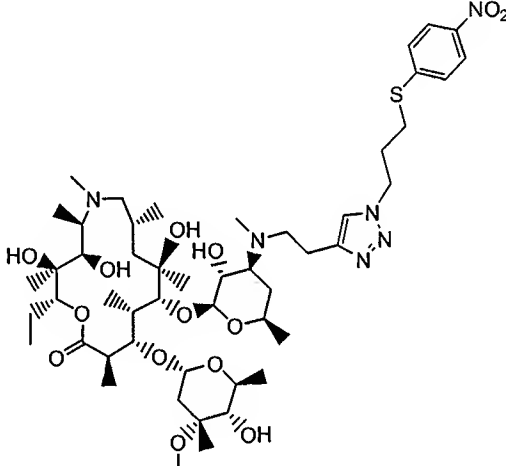
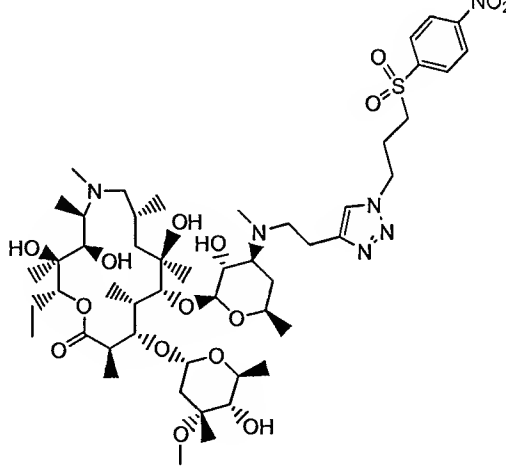


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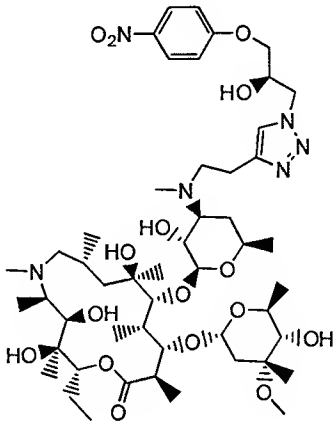
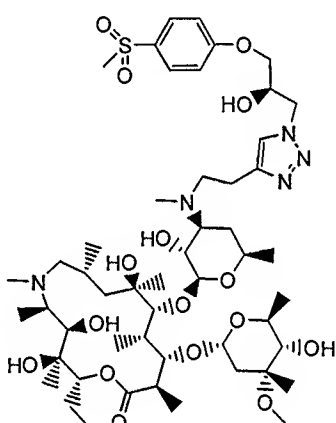
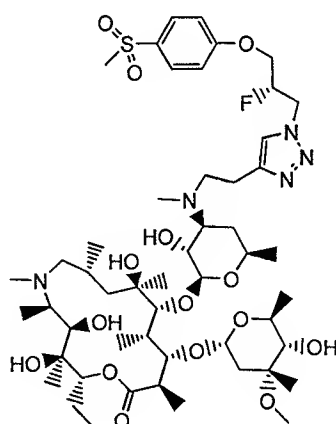


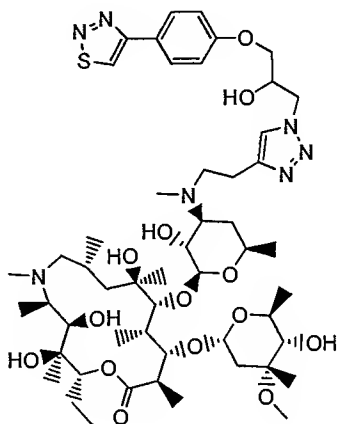
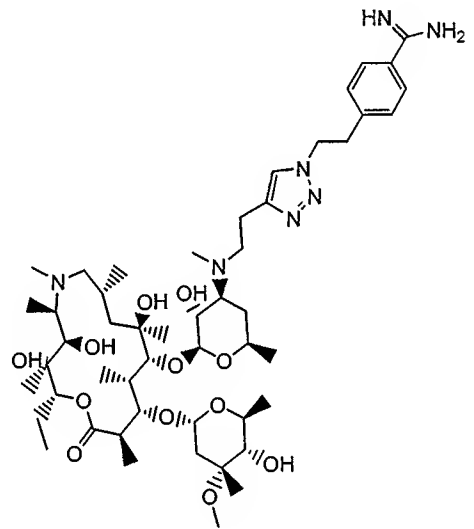
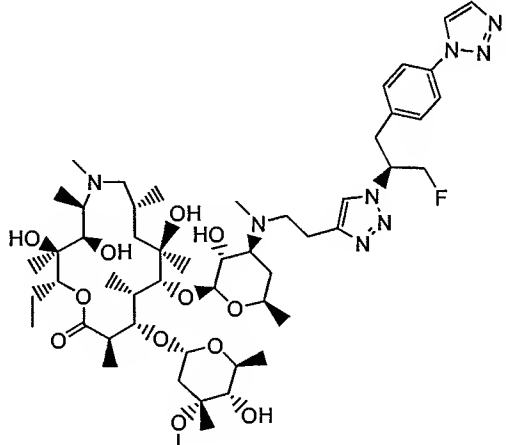
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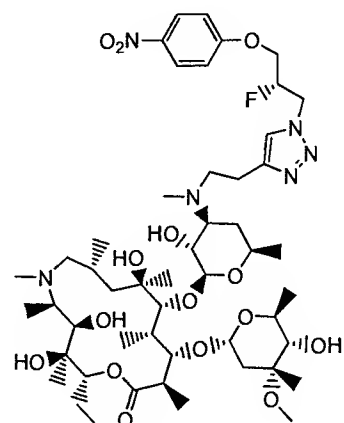
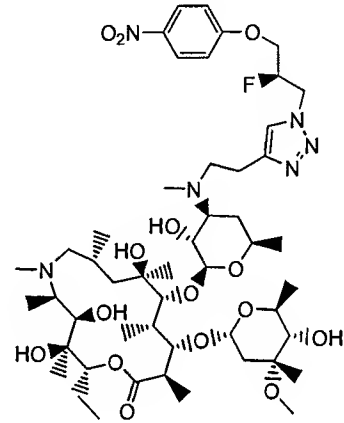
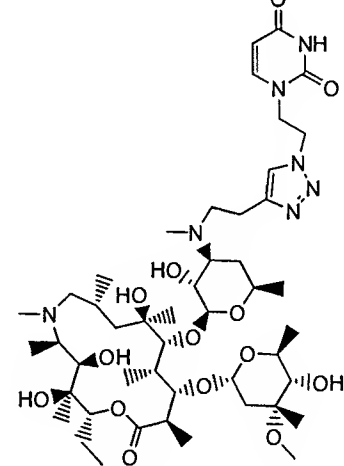


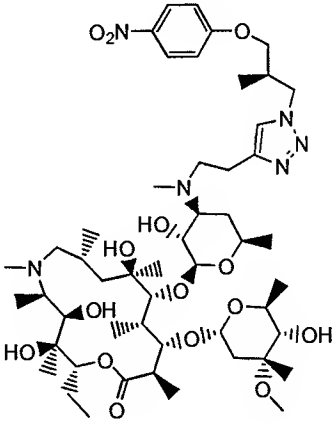
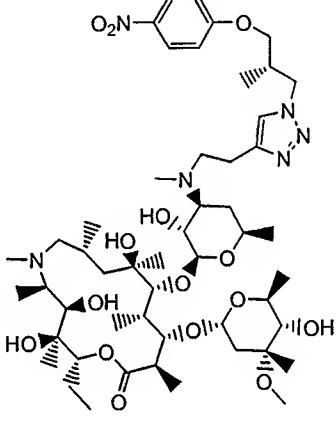
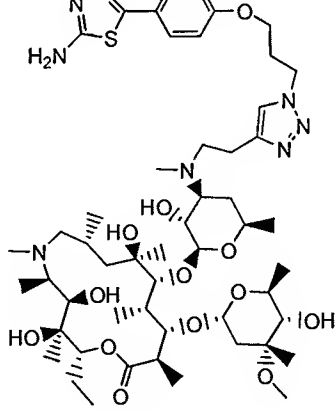
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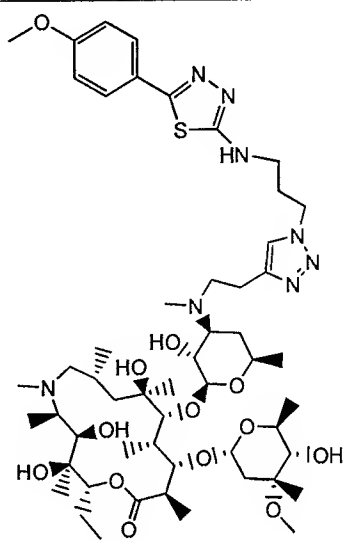
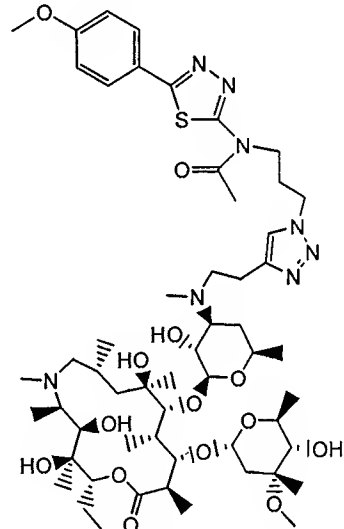
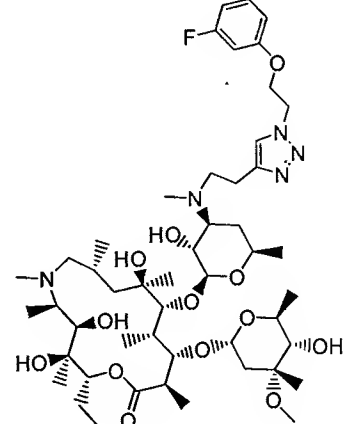
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| 264 | <p>Chemical structure of compound 264. It features a complex polycyclic core with multiple hydroxyl groups and a side chain containing a 1,2,3-triazole ring and a 4-nitrobenzyl group.</p> |
| 265 | <p>Chemical structure of compound 265. It features a complex polycyclic core with multiple hydroxyl groups and a side chain containing a 1,2,3-triazole ring and a 4-methylsulfonylbenzyl group.</p> |
| 266 | <p>Chemical structure of compound 266. It features a complex polycyclic core with multiple hydroxyl groups and a side chain containing a 1,2,3-triazole ring and a 4-nitrobenzyl group.</p> |

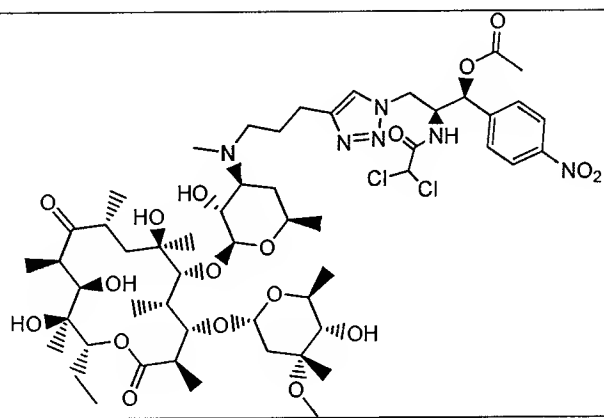
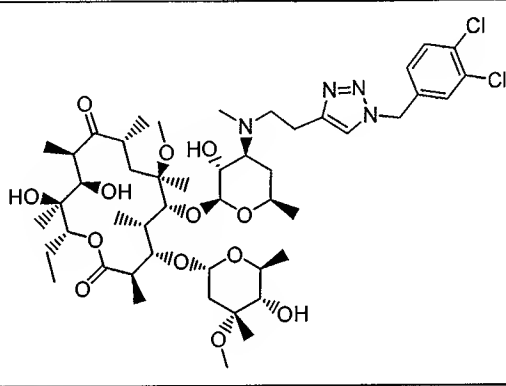
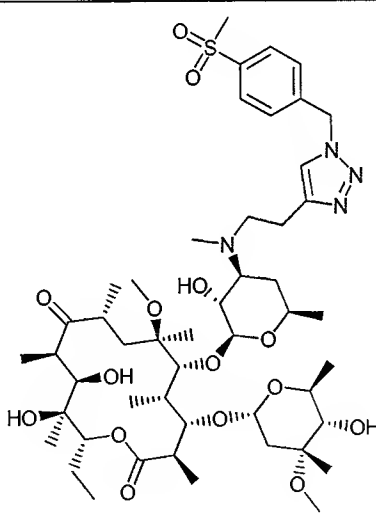
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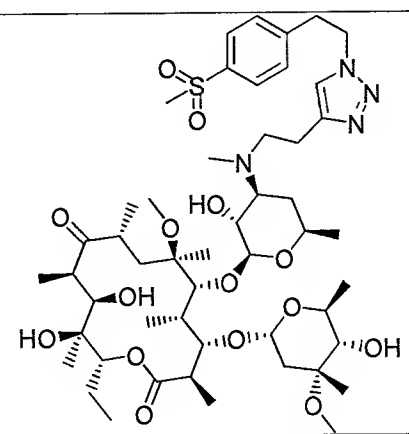
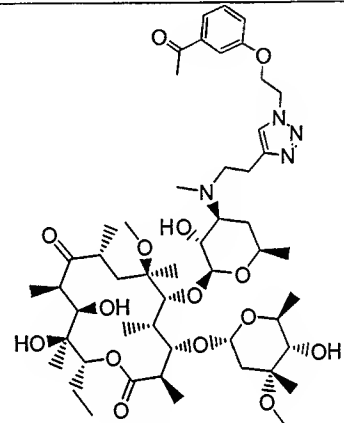
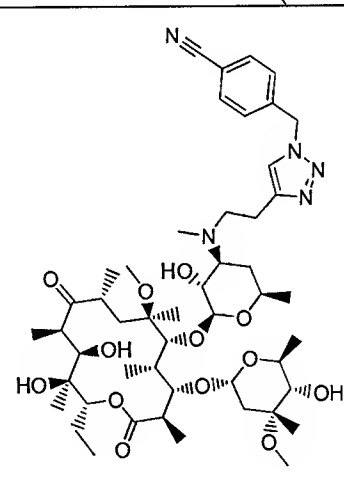
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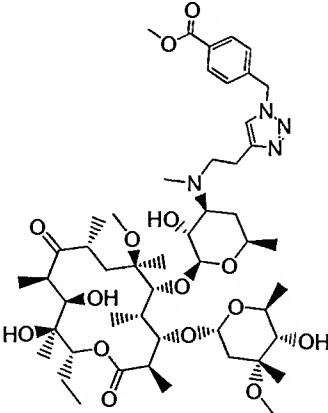
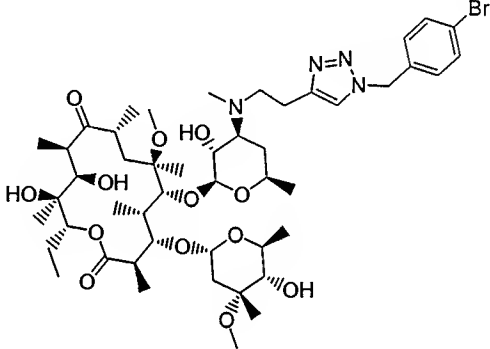
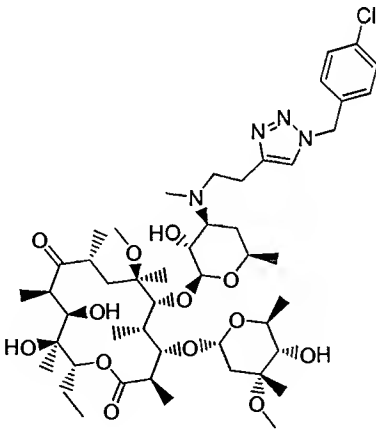
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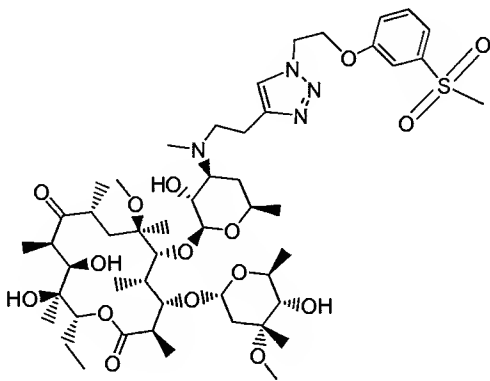
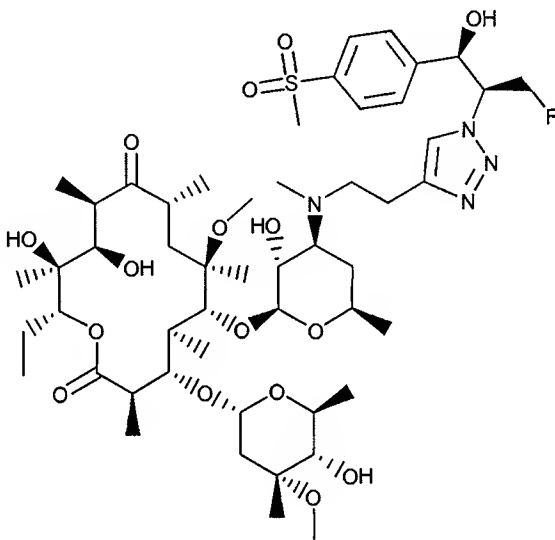
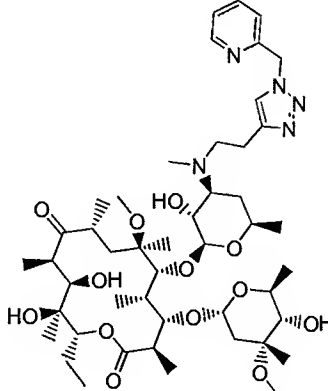
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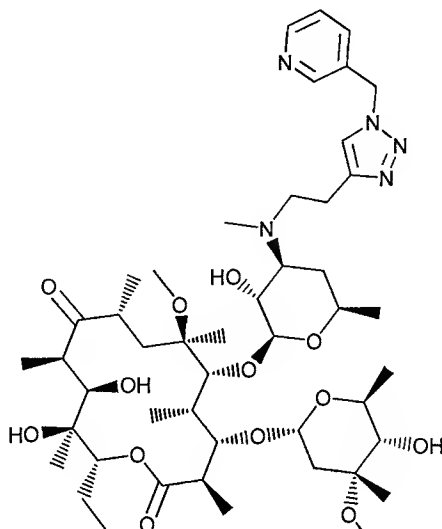
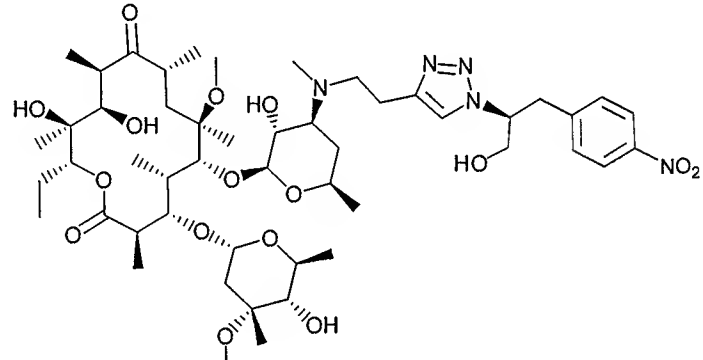
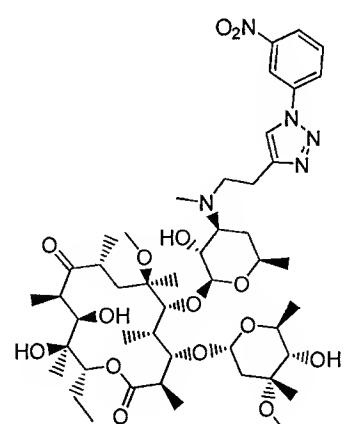
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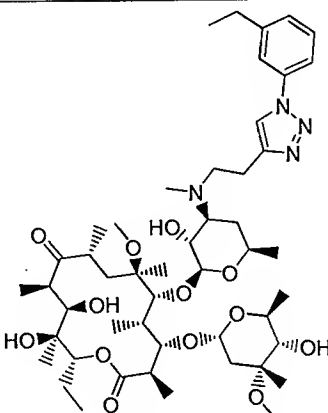
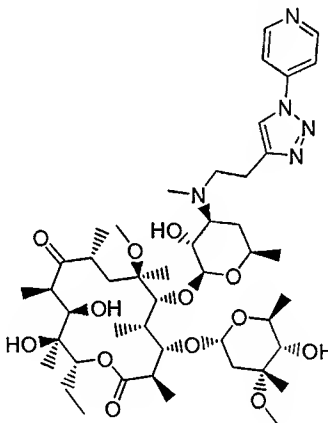
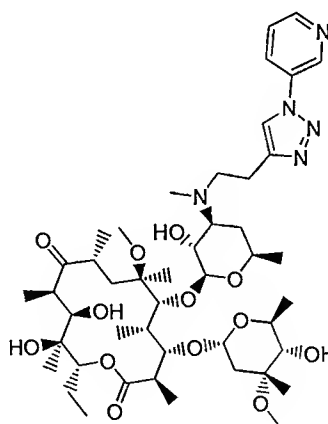
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| 301 |  <p>Chemical structure 301 is a complex molecule featuring a central bicyclic core with multiple hydroxyl groups and a side chain containing a diazo group, a nitro group, and a dichloromethyl group.</p> |
| 302 |  <p>Chemical structure 302 is a complex molecule featuring a central bicyclic core with multiple hydroxyl groups and a side chain containing a diazo group and a dichloromethyl group.</p> |
| 303 |  <p>Chemical structure 303 is a complex molecule featuring a central bicyclic core with multiple hydroxyl groups and a side chain containing a diazo group and a sulfonate group.</p> |

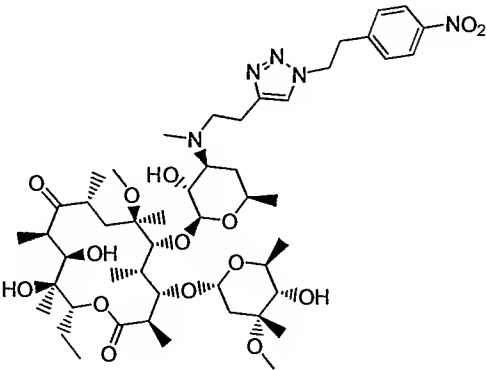
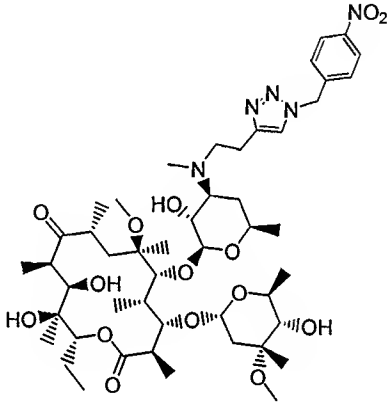
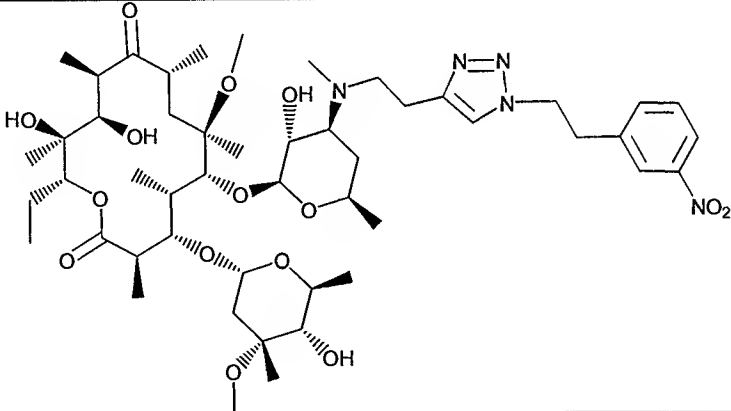
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| 304 |  <p>Chemical structure 304: A complex molecule featuring a central bicyclic core with multiple hydroxyl groups and a sulfonamide group attached via a linker.</p> |
| 305 |  <p>Chemical structure 305: A complex molecule featuring a central bicyclic core with multiple hydroxyl groups and a sulfonamide group attached via a linker.</p> |
| 306 |  <p>Chemical structure 306: A complex molecule featuring a central bicyclic core with multiple hydroxyl groups and a sulfonamide group attached via a linker.</p> |

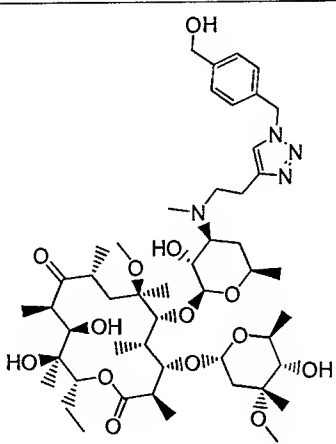
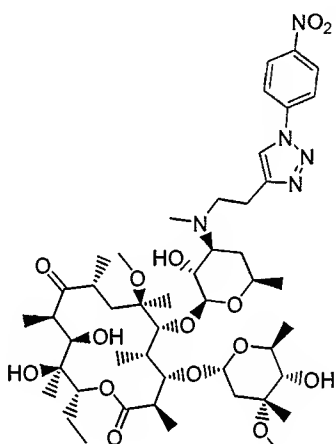
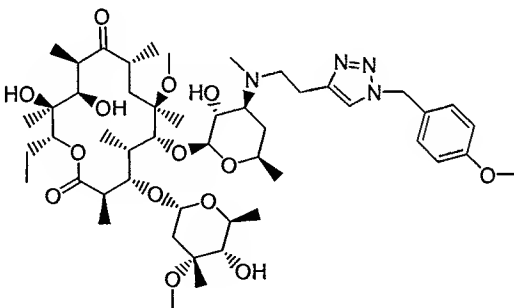
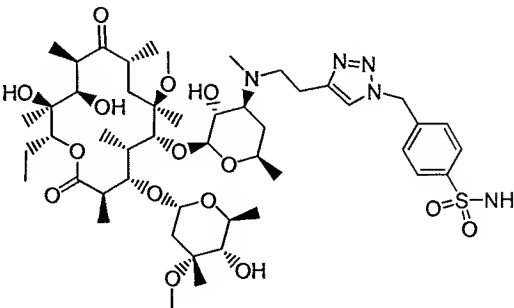
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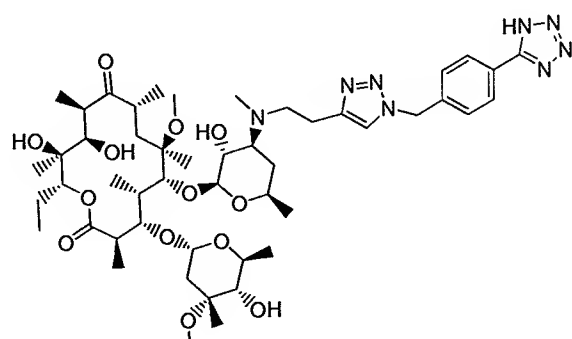
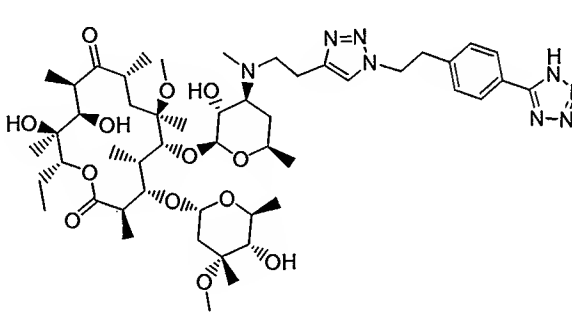
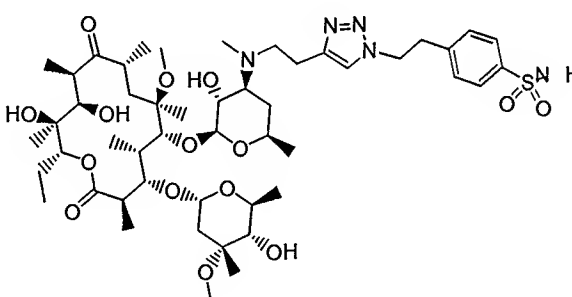
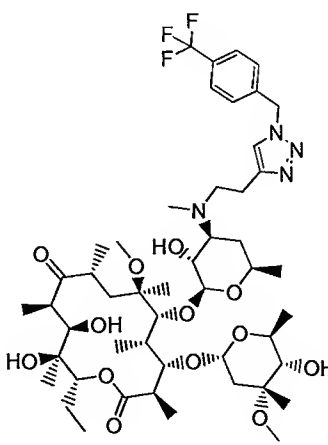
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| 310 |  <p>Chemical structure 310 is a complex molecule featuring a central bicyclic core with multiple hydroxyl groups and a sulfonamide group attached via a triazole ring.</p> |
| 311 |  <p>Chemical structure 311 is a complex molecule featuring a central bicyclic core with multiple hydroxyl groups and a sulfonamide group attached via a triazole ring, with a fluorine atom on the side chain.</p> |
| 312 |  <p>Chemical structure 312 is a complex molecule featuring a central bicyclic core with multiple hydroxyl groups and a sulfonamide group attached via a triazole ring, with a pyridine ring on the side chain.</p> |

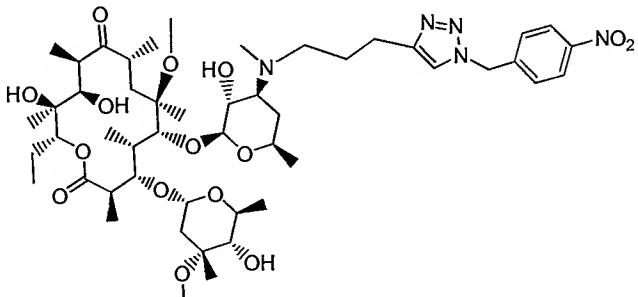
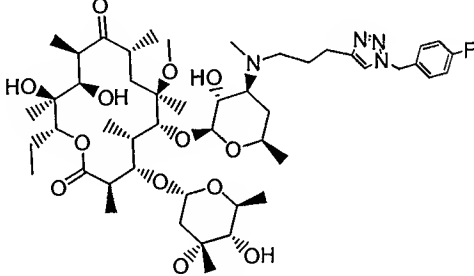
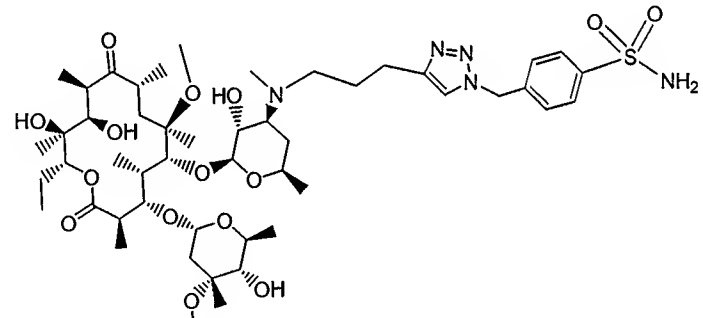
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| 313 |  <p>Chemical structure 313 is a complex molecule featuring a central bicyclic core with multiple hydroxyl groups and a side chain containing a pyridine ring and a triazole ring.</p> |
| 314 |  <p>Chemical structure 314 is a complex molecule featuring a central bicyclic core with multiple hydroxyl groups and a side chain containing a triazole ring and a nitrophenyl group.</p> |
| 315 |  <p>Chemical structure 315 is a complex molecule featuring a central bicyclic core with multiple hydroxyl groups and a side chain containing a triazole ring and a nitrophenyl group.</p> |

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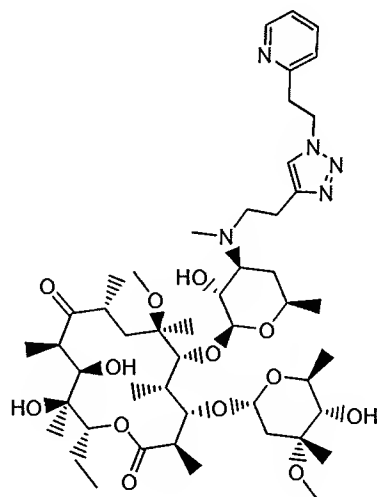
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| 319 |  <p>Chemical structure 319 is a complex polycyclic molecule. It features a central core with multiple hydroxyl groups and a ketone. A side chain is attached to the core, containing a 1,2,4-triazole ring and a 4-nitrobenzyl group.</p> |
| 320 |  <p>Chemical structure 320 is a complex polycyclic molecule, similar to 319, but with a different side chain configuration. It features a central core with multiple hydroxyl groups and a ketone. A side chain is attached to the core, containing a 1,2,4-triazole ring and a 4-nitrobenzyl group.</p> |
| 321 |  <p>Chemical structure 321 is a complex polycyclic molecule, similar to 319 and 320, but with a different side chain configuration. It features a central core with multiple hydroxyl groups and a ketone. A side chain is attached to the core, containing a 1,2,4-triazole ring and a 4-nitrobenzyl group.</p> |

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| 322 |  <p>Chemical structure 322: A complex polycyclic molecule, likely a steroid or similar, featuring multiple hydroxyl groups and a side chain containing a 1,2,3-triazole ring and a 4-hydroxybenzyl group.</p> |
| 323 |  <p>Chemical structure 323: A complex polycyclic molecule, similar to 322, but with a 4-nitrobenzyl group instead of a 4-hydroxybenzyl group.</p> |
| 324 |  <p>Chemical structure 324: A complex polycyclic molecule, similar to 322, but with a 4-methoxybenzyl group instead of a 4-hydroxybenzyl group.</p> |
| 325 |  <p>Chemical structure 325: A complex polycyclic molecule, similar to 322, but with a 4-sulfamoylbenzyl group instead of a 4-hydroxybenzyl group.</p> |

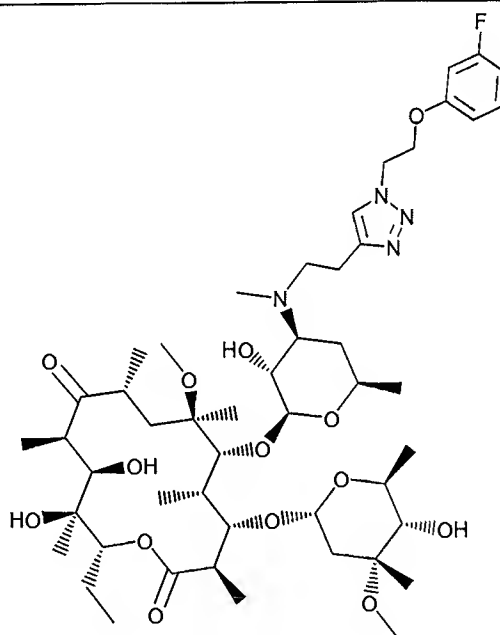
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| 326 |  <p>Chemical structure 326: A complex molecule featuring a central bicyclic core with multiple hydroxyl groups and a side chain containing a triazole ring and a phenyl group with a tetrazole substituent.</p> |
| 327 |  <p>Chemical structure 327: A complex molecule featuring a central bicyclic core with multiple hydroxyl groups and a side chain containing a triazole ring and a phenyl group with a tetrazole substituent.</p> |
| 328 |  <p>Chemical structure 328: A complex molecule featuring a central bicyclic core with multiple hydroxyl groups and a side chain containing a triazole ring and a phenyl group with a sulfonamide substituent.</p> |
| 329 |  <p>Chemical structure 329: A complex molecule featuring a central bicyclic core with multiple hydroxyl groups and a side chain containing a triazole ring and a phenyl group with a trifluoromethyl substituent.</p> |

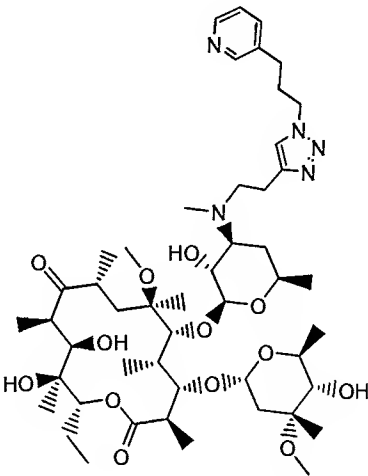
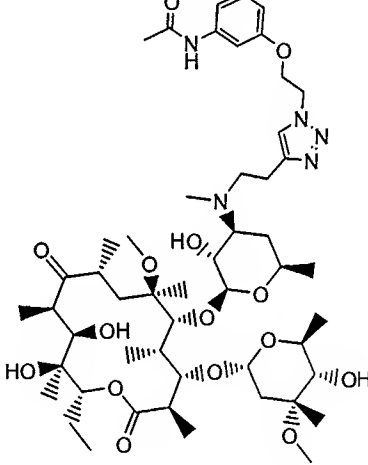
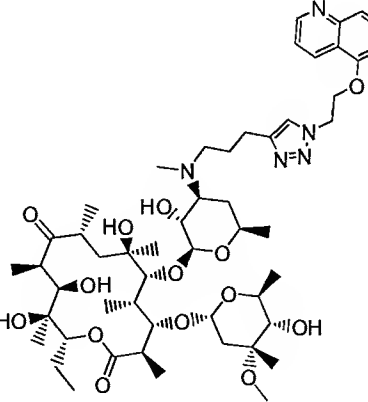
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| 330 |  <p>Chemical structure 330 is a complex polycyclic molecule. It features a central core with several fused rings, including a cyclohexanone and a cyclohexene. The molecule is heavily substituted with hydroxyl groups (OH) and methyl groups (CH₃). A side chain is attached to the core, consisting of a triazole ring (1,2,3,4-tetrazole) linked to a 4-nitrophenyl group (p-NO₂-C₆H₄).</p> |
| 331 |  <p>Chemical structure 331 is a complex polycyclic molecule, similar to 330. It features a central core with several fused rings, including a cyclohexanone and a cyclohexene. The molecule is heavily substituted with hydroxyl groups (OH) and methyl groups (CH₃). A side chain is attached to the core, consisting of a triazole ring (1,2,3,4-tetrazole) linked to a 4-fluorophenyl group (p-F-C₆H₄).</p> |
| 332 |  <p>Chemical structure 332 is a complex polycyclic molecule, similar to 330. It features a central core with several fused rings, including a cyclohexanone and a cyclohexene. The molecule is heavily substituted with hydroxyl groups (OH) and methyl groups (CH₃). A side chain is attached to the core, consisting of a triazole ring (1,2,3,4-tetrazole) linked to a 4-sulfamoylphenyl group (p-SO₂NH₂-C₆H₄).</p> |

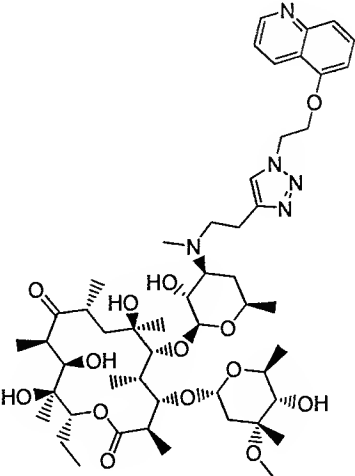
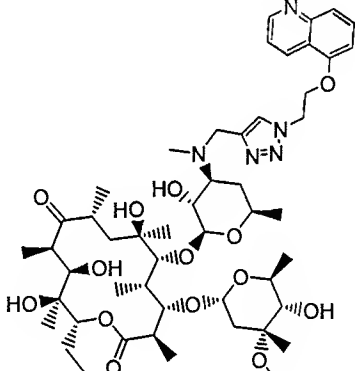
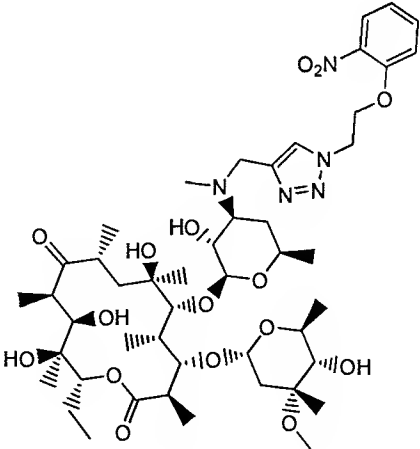
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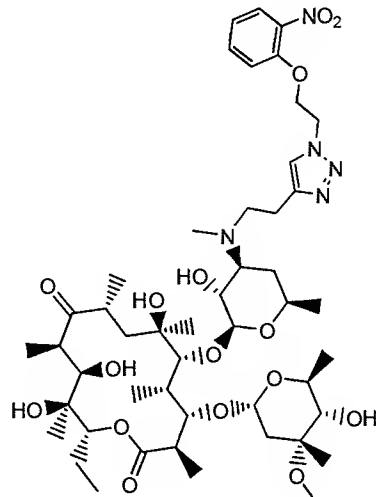
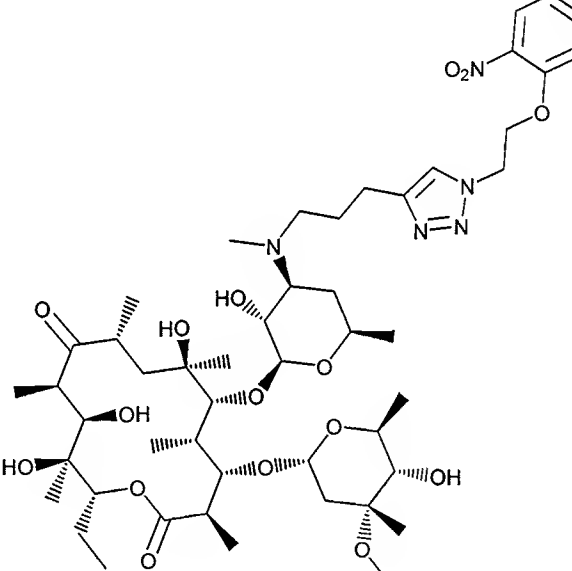


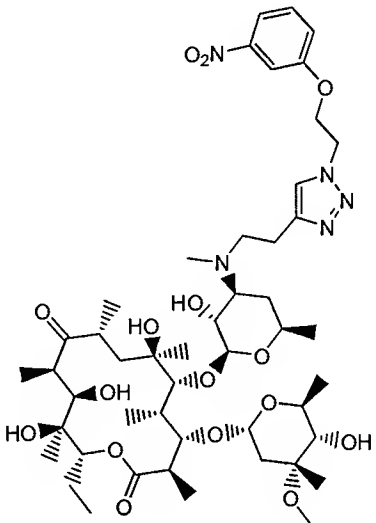
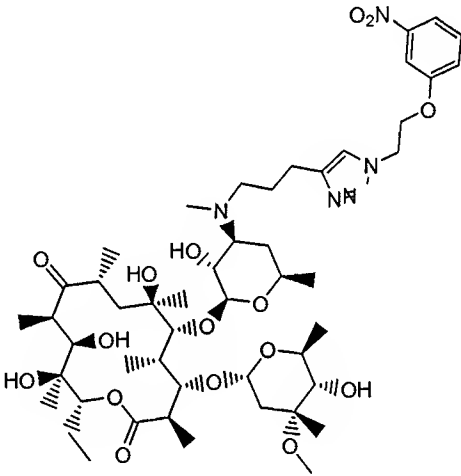
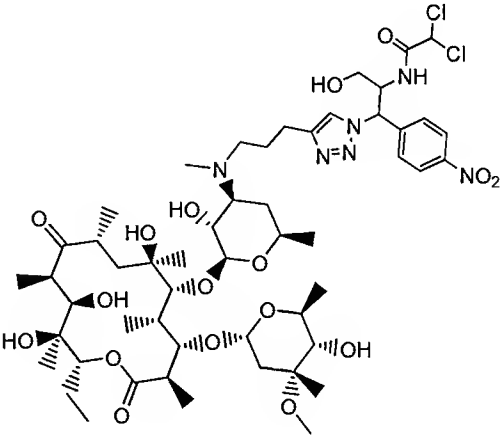
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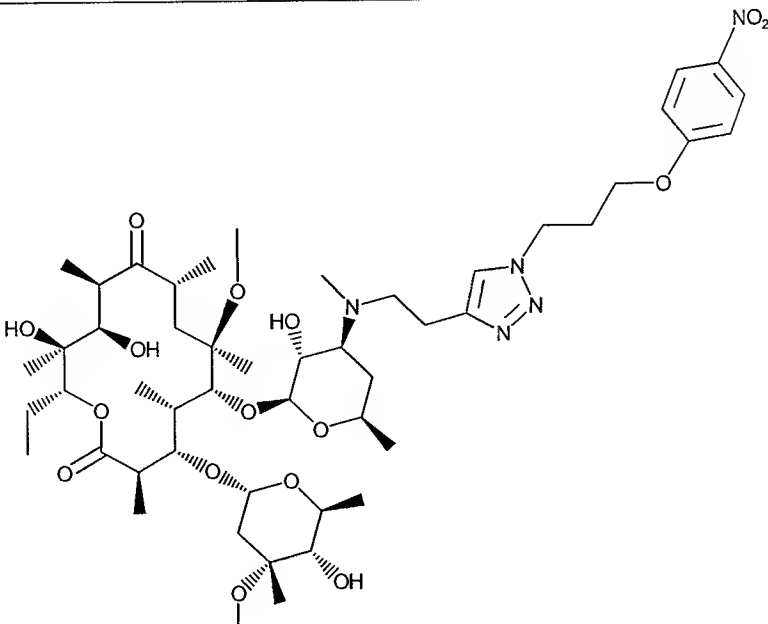
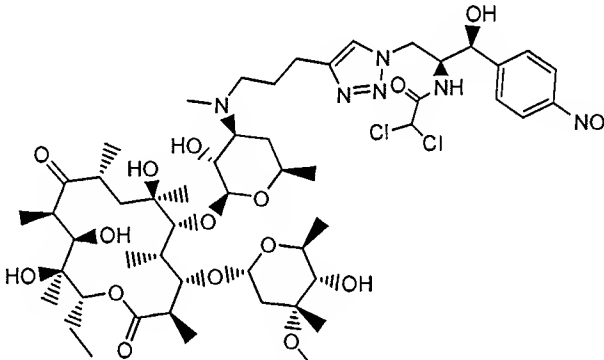
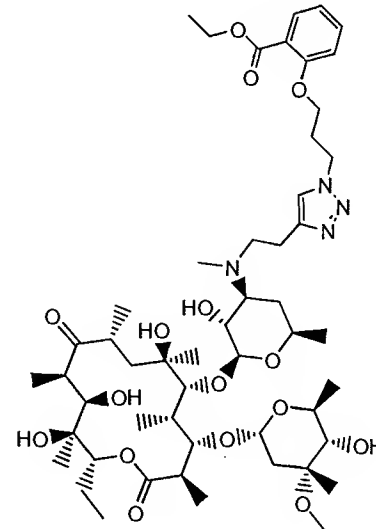


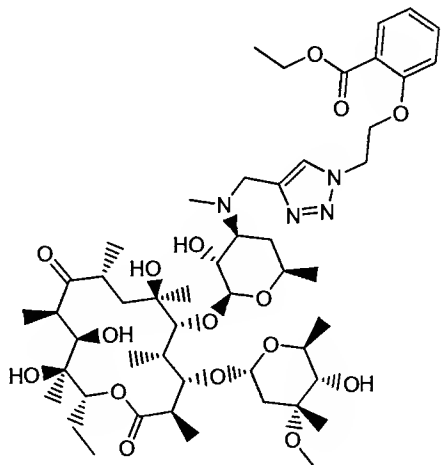
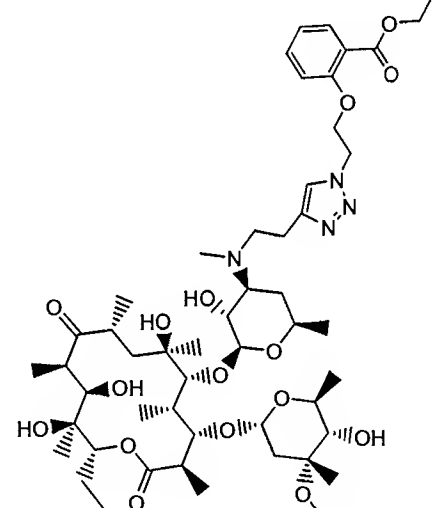
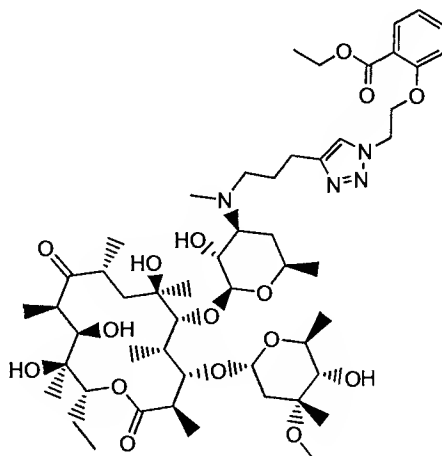
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| 335 |  <p>Chemical structure 335 is a complex molecule featuring a central bicyclic core with multiple hydroxyl groups and a side chain containing a pyridine ring and a triazole ring.</p> |
| 336 |  <p>Chemical structure 336 is a complex molecule featuring a central bicyclic core with multiple hydroxyl groups and a side chain containing a benzamide ring and a triazole ring.</p> |
| 337 |  <p>Chemical structure 337 is a complex molecule featuring a central bicyclic core with multiple hydroxyl groups and a side chain containing a quinoline ring and a triazole ring.</p> |

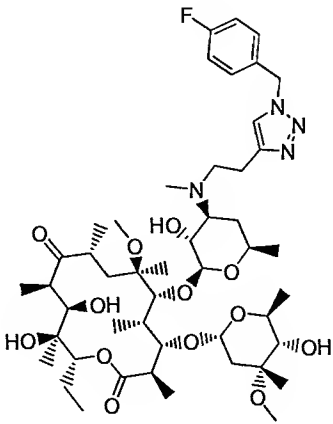
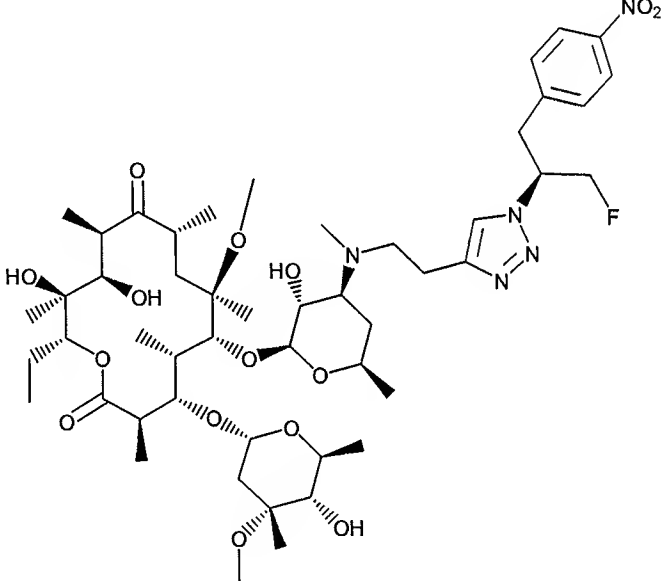
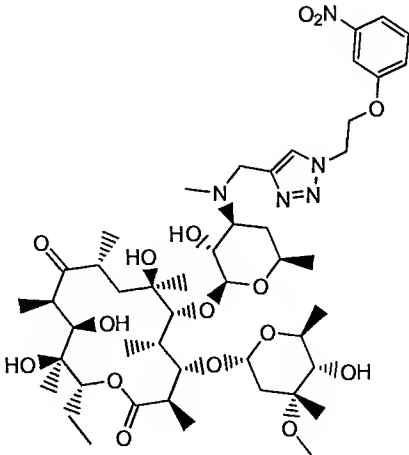
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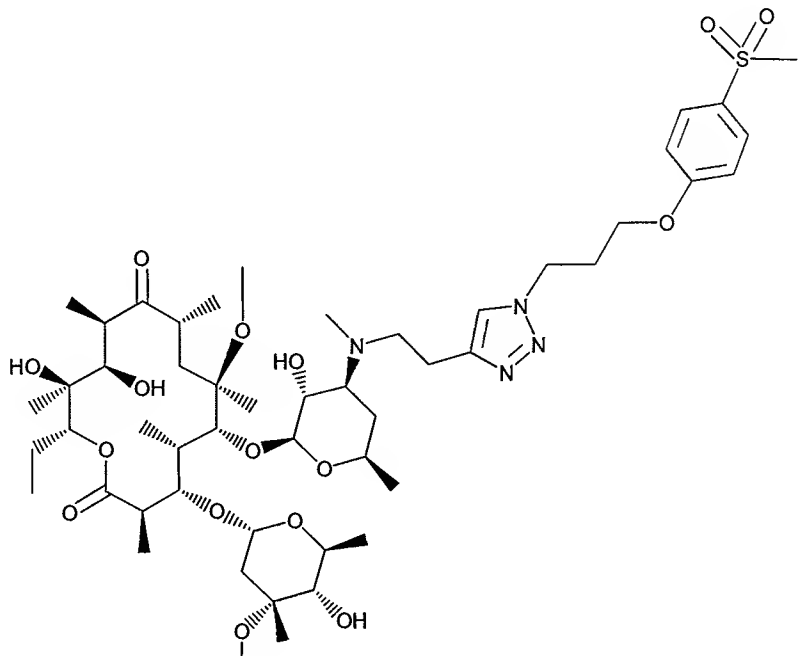
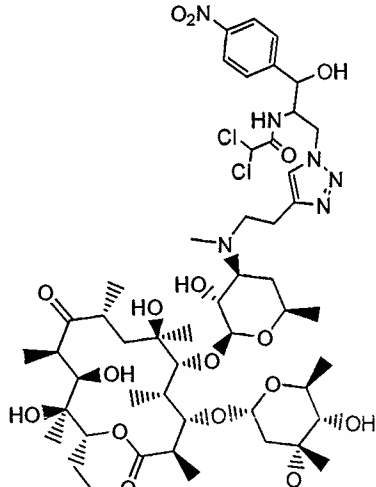
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| 341 |  <p>Chemical structure 341 is a complex polycyclic molecule. It features a central carbonyl group and multiple hydroxyl groups. The structure includes a side chain with a 1-methyl-2-(2-(2-nitrophenoxy)ethyl)-1H-1,2,4-triazol-3-yl group.</p> |
| 342 |  <p>Chemical structure 342 is a complex polycyclic molecule, similar to structure 341. It features a central carbonyl group and multiple hydroxyl groups. The structure includes a side chain with a 1-methyl-2-(2-(2-nitrophenoxy)ethyl)-1H-1,2,4-triazol-3-yl group.</p> |

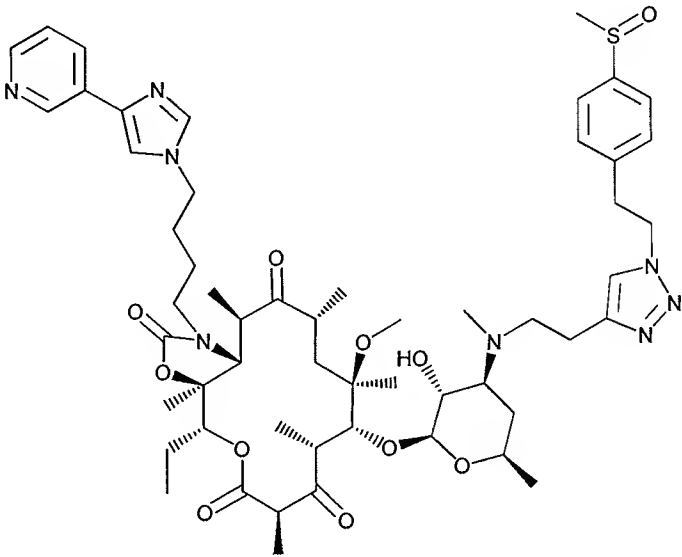
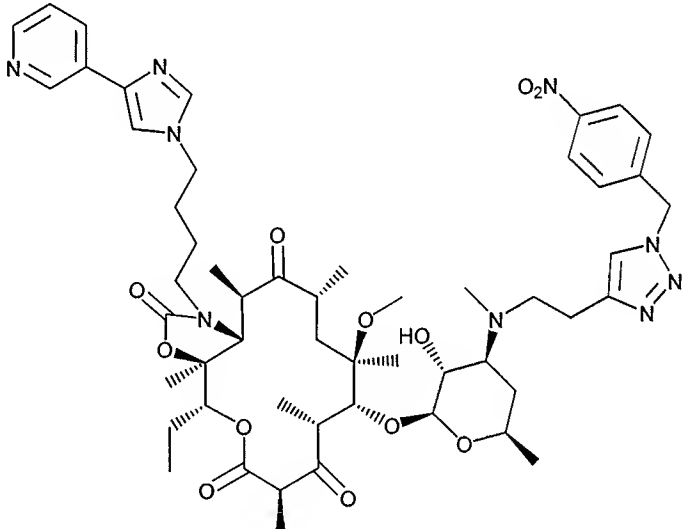
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| 343 |  <p>Chemical structure 343: A complex molecule featuring a central bicyclic core with multiple hydroxyl groups and a side chain containing a 1,2,3-triazole ring, a methoxy group, and a 4-nitrophenyl group.</p> |
| 344 |  <p>Chemical structure 344: A complex molecule featuring a central bicyclic core with multiple hydroxyl groups and a side chain containing a 1,2,3-triazole ring, a methoxy group, and a 4-nitrophenyl group.</p> |
| 345 |  <p>Chemical structure 345: A complex molecule featuring a central bicyclic core with multiple hydroxyl groups and a side chain containing a 1,2,3-triazole ring, a methoxy group, and a 4-nitrophenyl group.</p> |

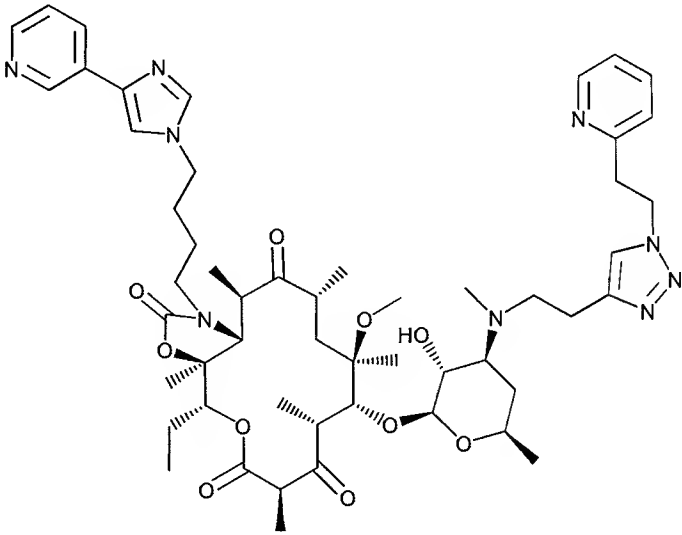
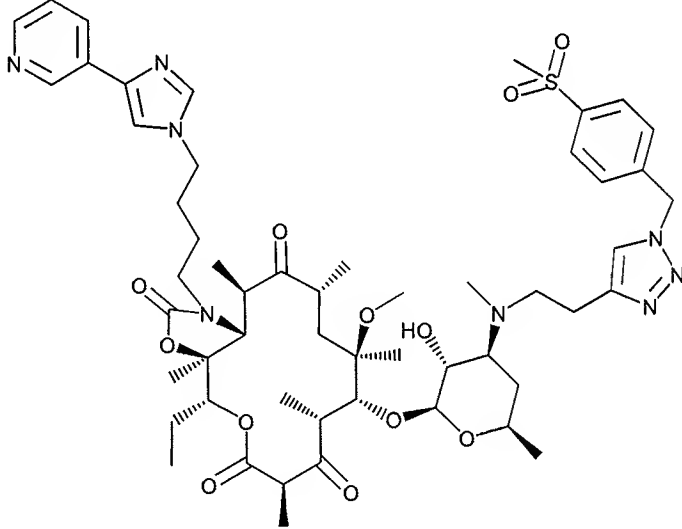
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| 346 |  <chem>CO[C@H]1[C@@H](OC(=O)[C@H]2[C@@H](O)[C@H](OC)[C@H](O)[C@H]2O)[C@H](O)[C@H](O)[C@H]1O</chem> <chem>CCN(C)CCc1nn[nH]1</chem> <chem>COCCCOc1ccc([N+](=O)[O-])cc1</chem> |
| 347 |  <chem>CO[C@H]1[C@@H](OC(=O)[C@H]2[C@@H](O)[C@H](OC)[C@H](O)[C@H]2O)[C@H](O)[C@H](O)[C@H]1O</chem> <chem>CCN(C)CCc1nn[nH]1</chem> <chem>CC1(Cl)Cl[C@H](O)[C@H]1N</chem> <chem>CCOC(=O)c1ccccc1</chem> <chem>CCOC(=O)c1ccccc1</chem> |
| 348 |  <chem>CO[C@H]1[C@@H](OC(=O)[C@H]2[C@@H](O)[C@H](OC)[C@H](O)[C@H]2O)[C@H](O)[C@H](O)[C@H]1O</chem> <chem>CCN(C)CCc1nn[nH]1</chem> <chem>CCOC(=O)c1ccccc1</chem> <chem>CCOC(=O)c1ccccc1</chem> |

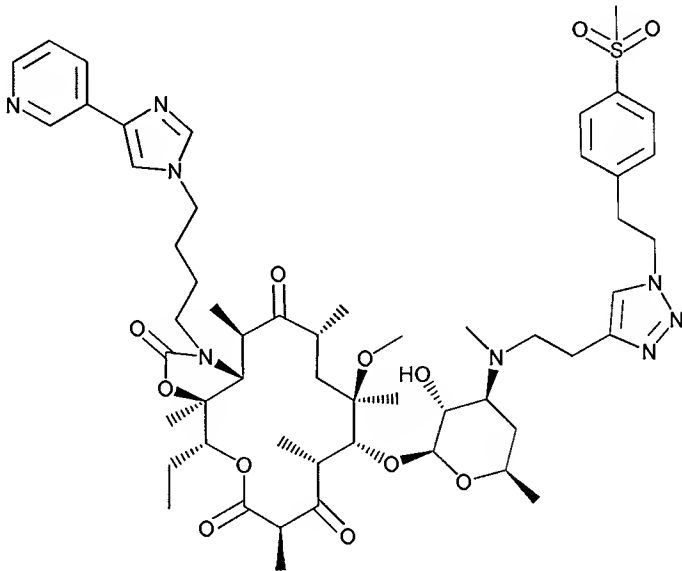
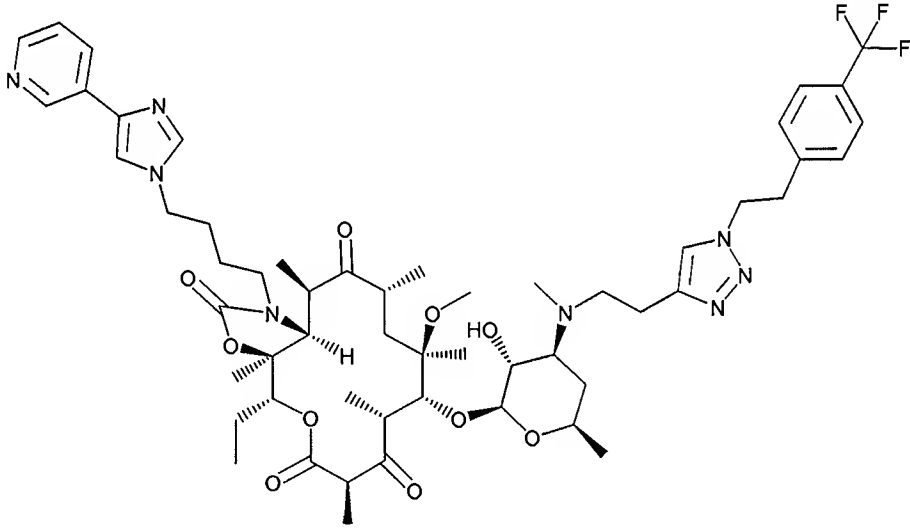
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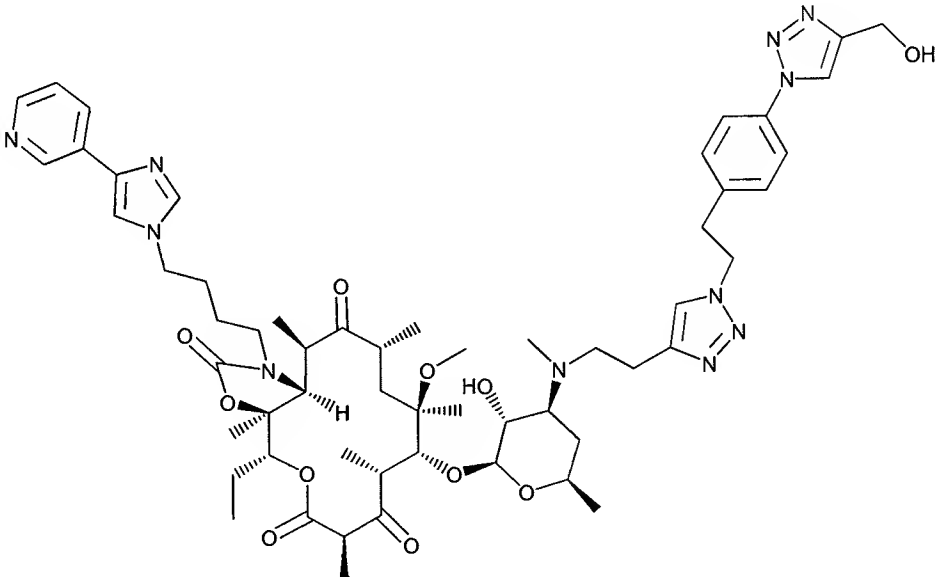
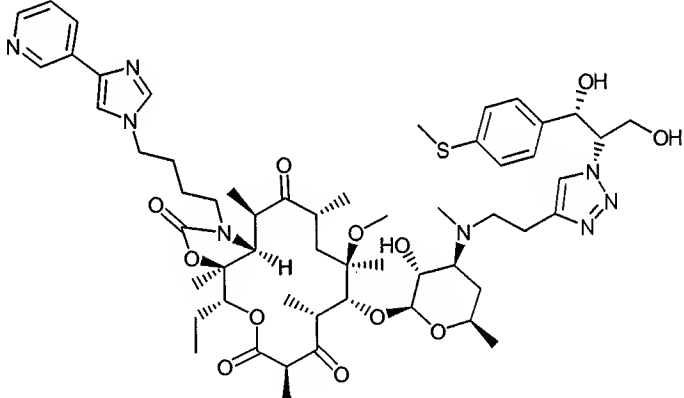
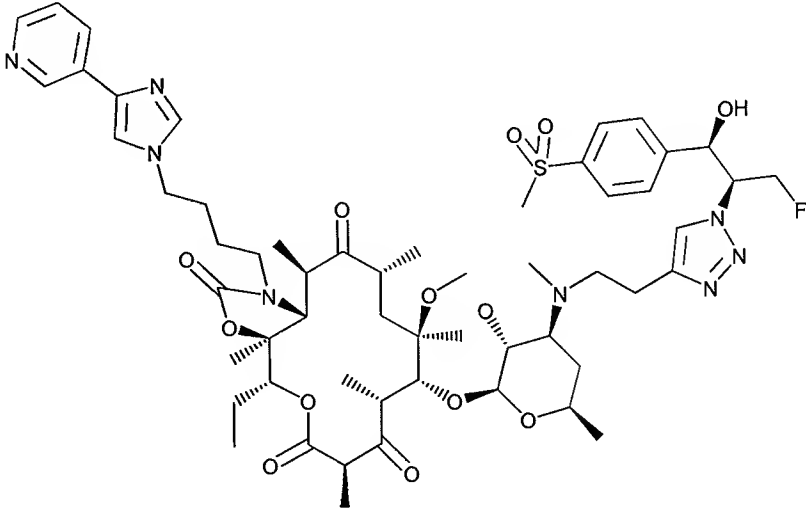
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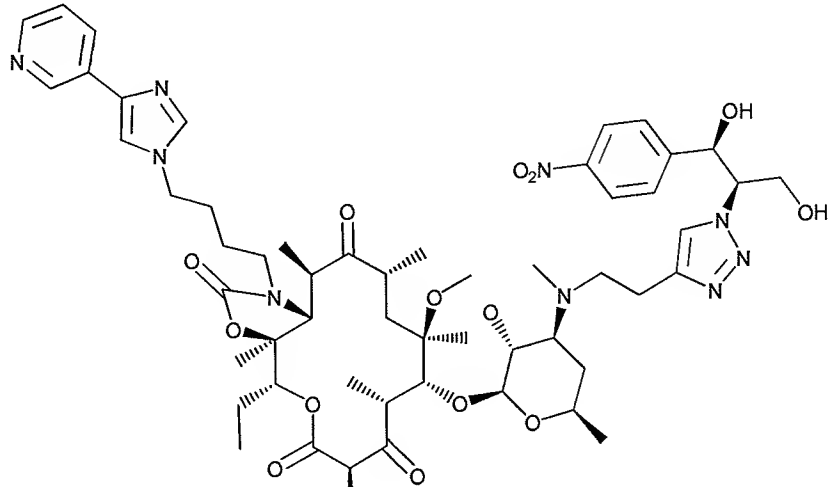
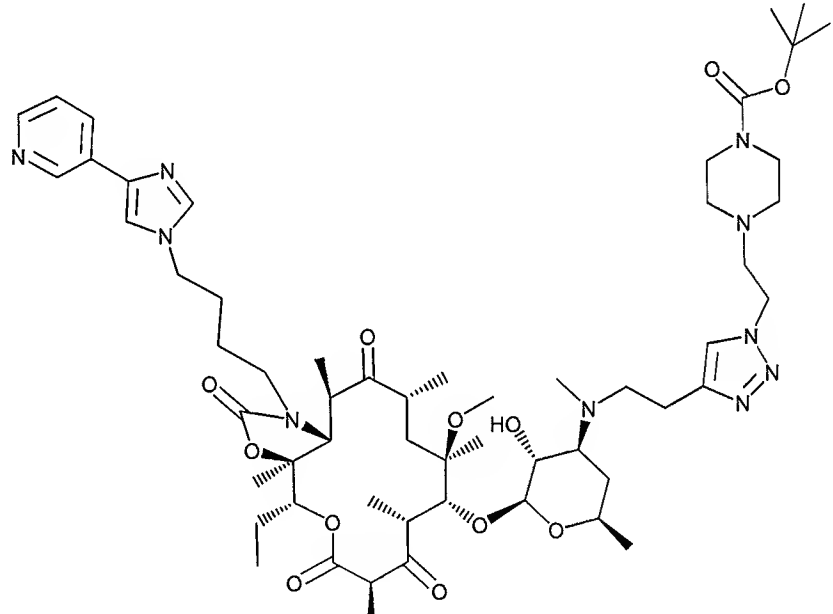
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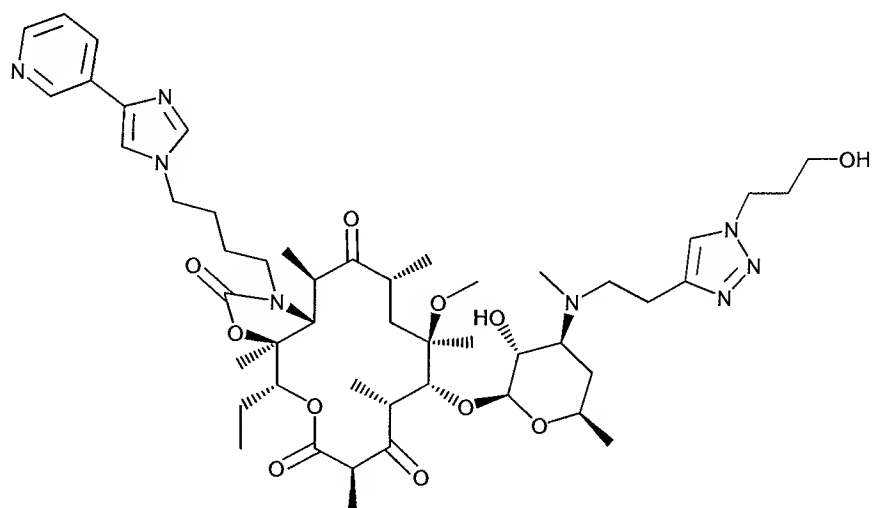
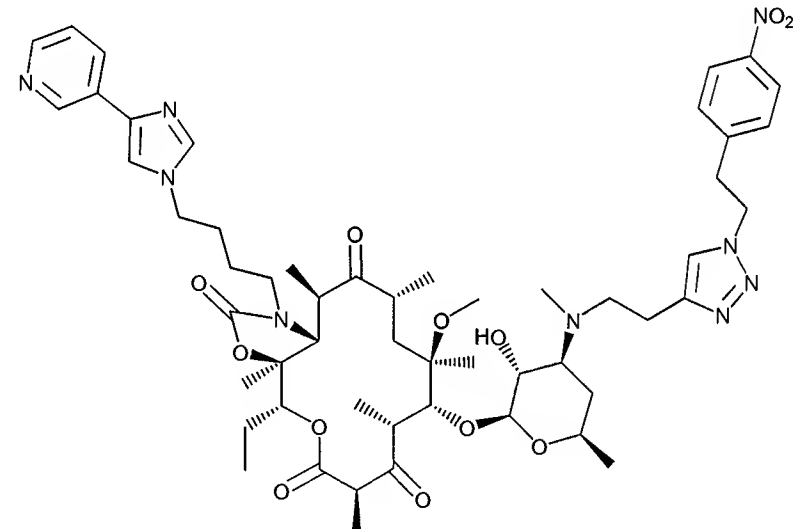
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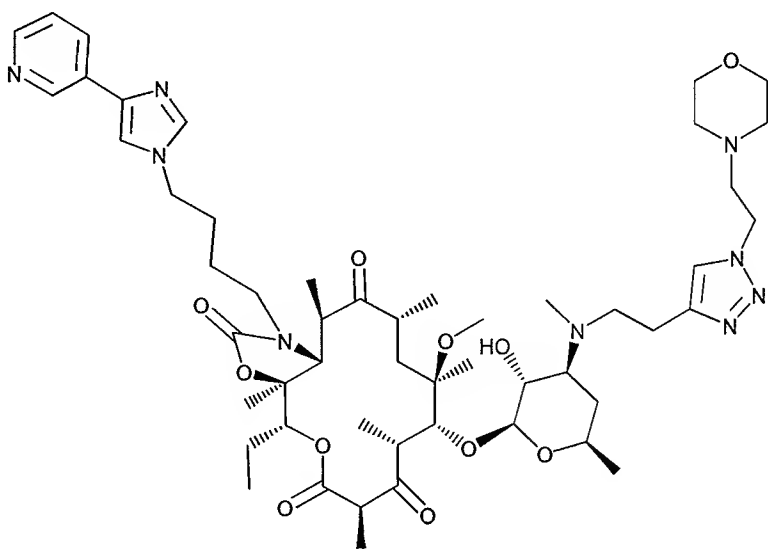
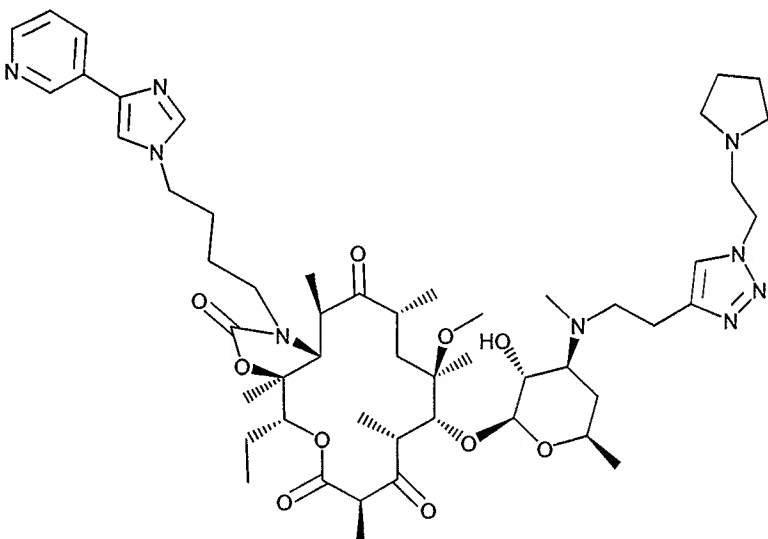
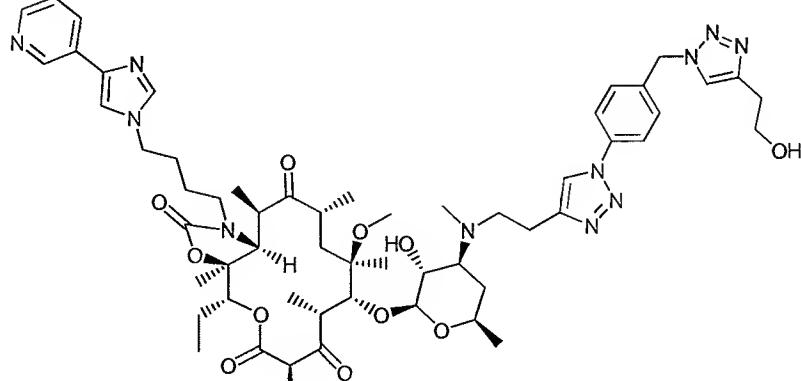
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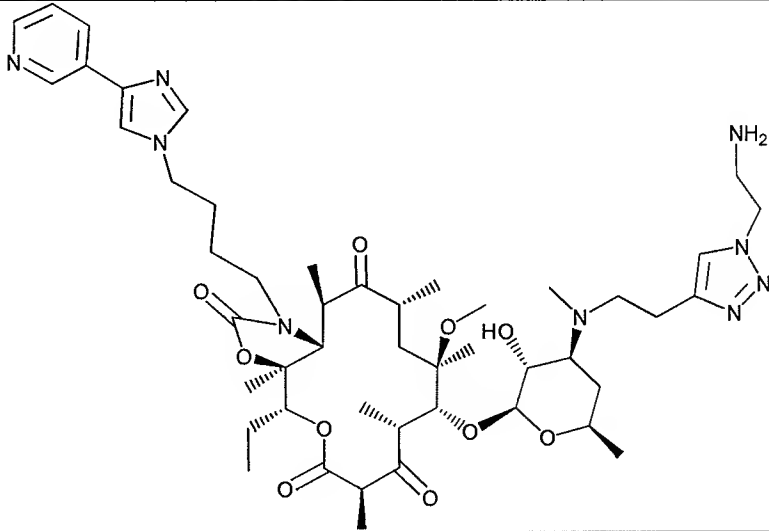
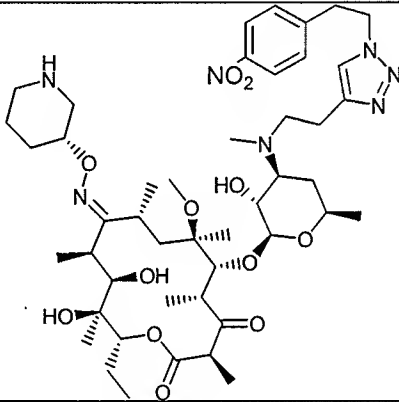
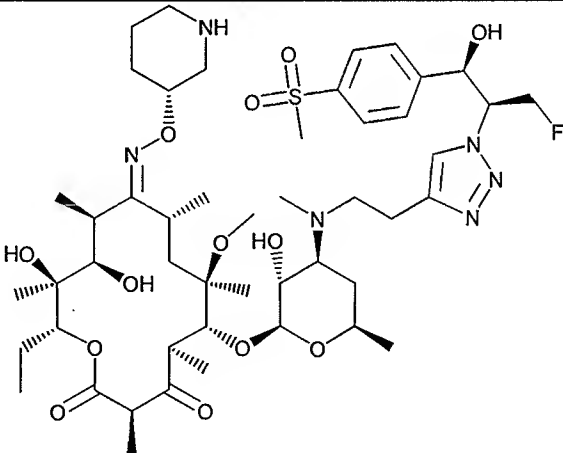
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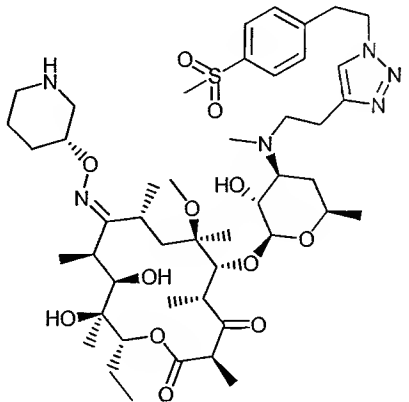
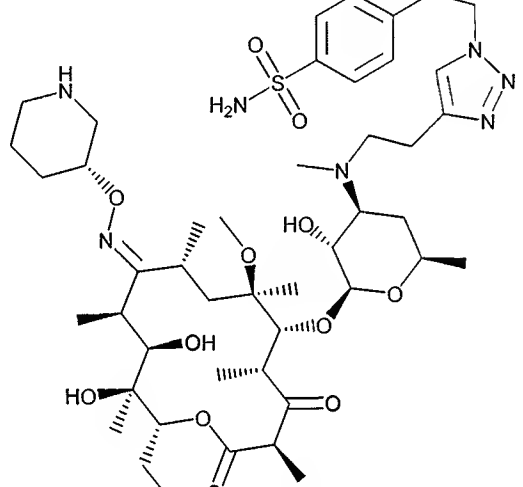
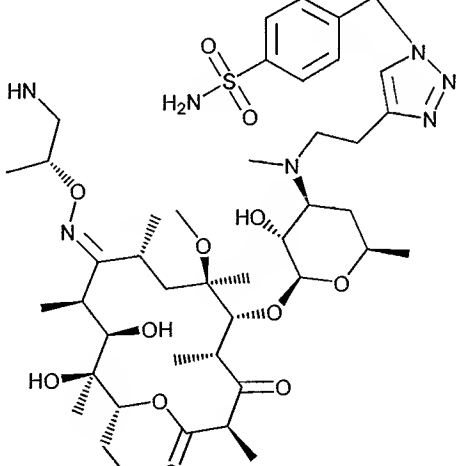
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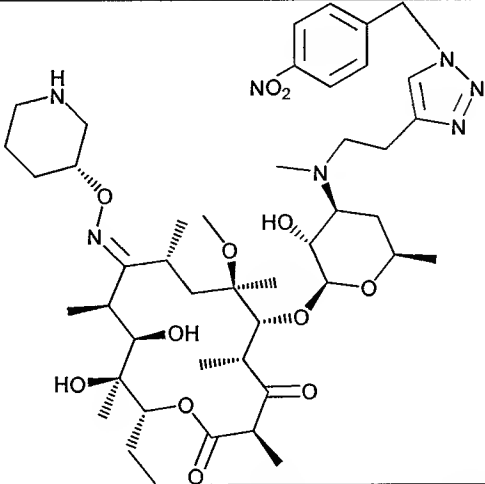
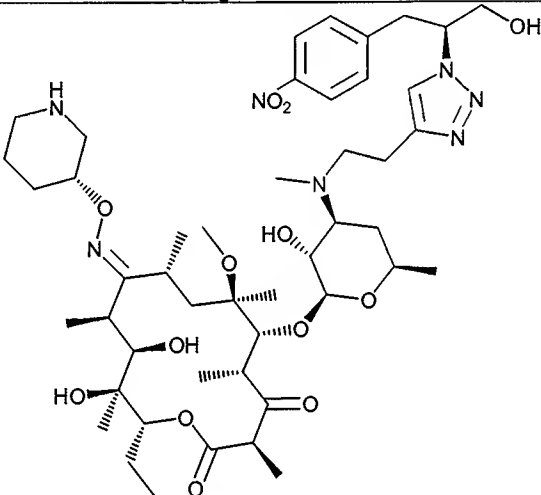
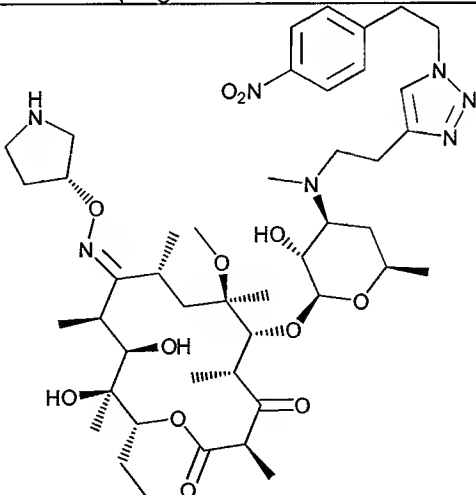
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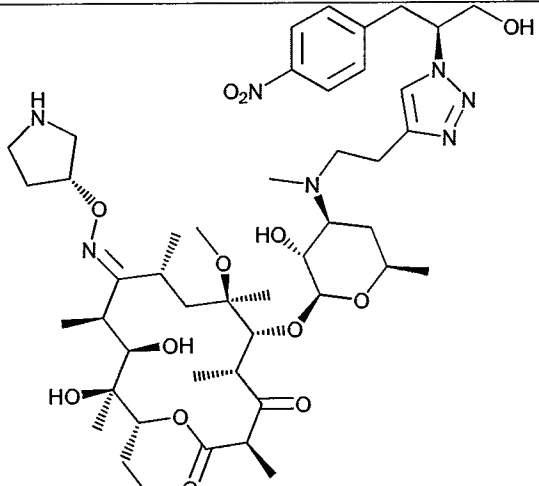
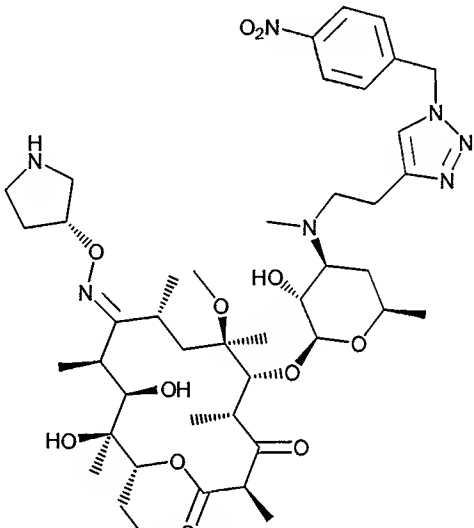
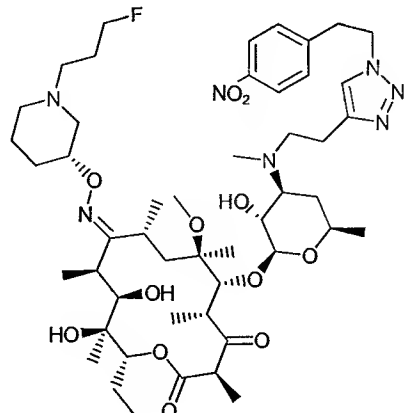
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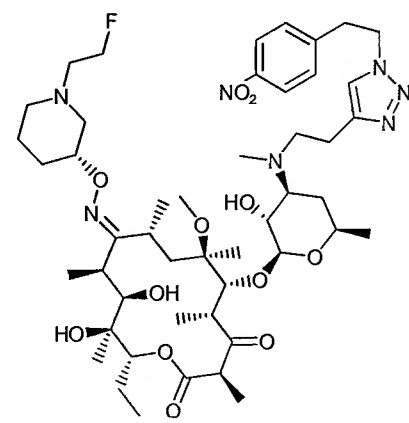
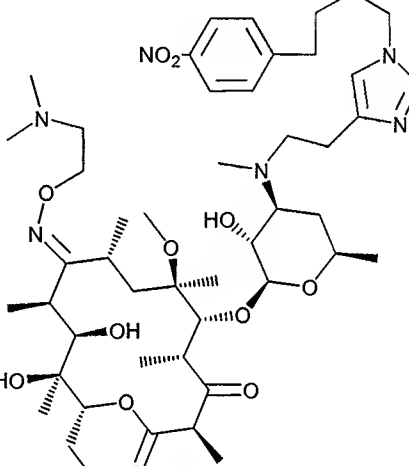
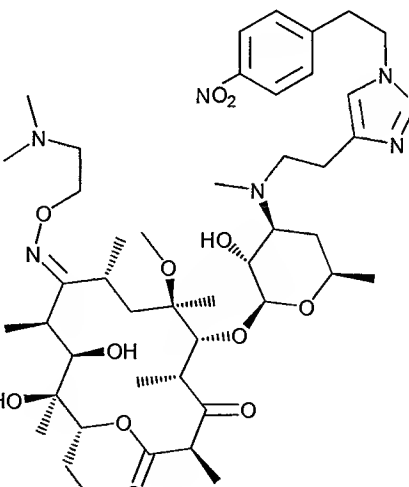
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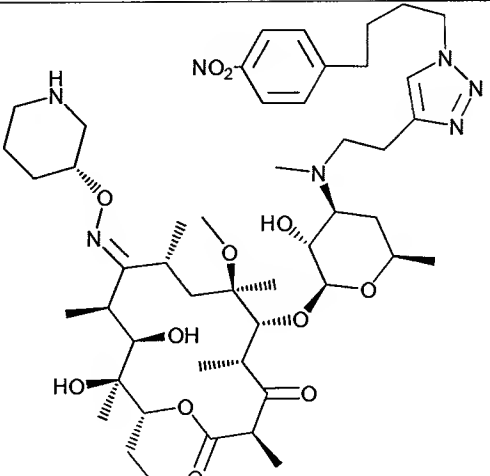
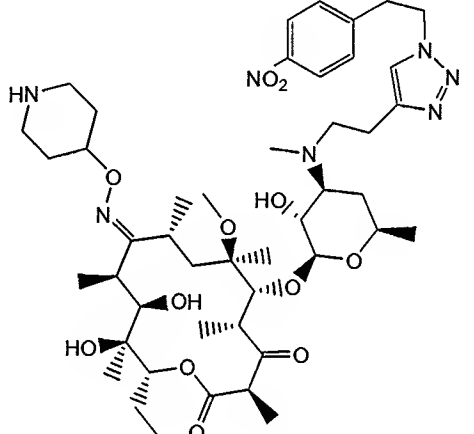
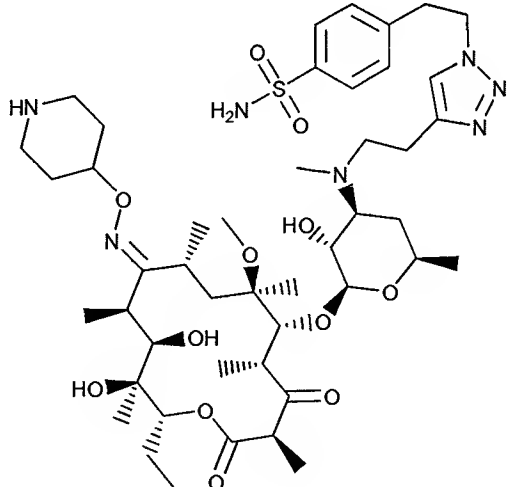
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| 417 |  <p>Chemical structure 417 is a complex macrocyclic molecule. It features a large ring system with multiple stereocenters, including hydroxyl groups and carbonyl groups. Two side chains are attached to the macrocycle: one is a 4-pyridyl-1H-imidazol-2-ylmethyl group, and the other is a 1H-1,2,3-triazol-4-ylmethyl group.</p> |
| 425 |  <p>Chemical structure 425 is a complex macrocyclic molecule. It features a large ring system with multiple stereocenters, including hydroxyl groups and carbonyl groups. Two side chains are attached to the macrocycle: one is a 4-nitrophenyl-1H-1,2,3-triazol-4-ylmethyl group, and the other is a piperidine ring.</p> |
| 426 |  <p>Chemical structure 426 is a complex macrocyclic molecule. It features a large ring system with multiple stereocenters, including hydroxyl groups and carbonyl groups. Two side chains are attached to the macrocycle: one is a 4-fluorophenyl-1H-1,2,3-triazol-4-ylmethyl group, and the other is a piperidine ring.</p> |

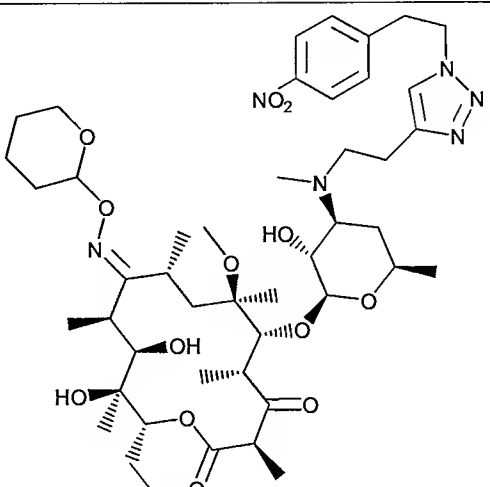
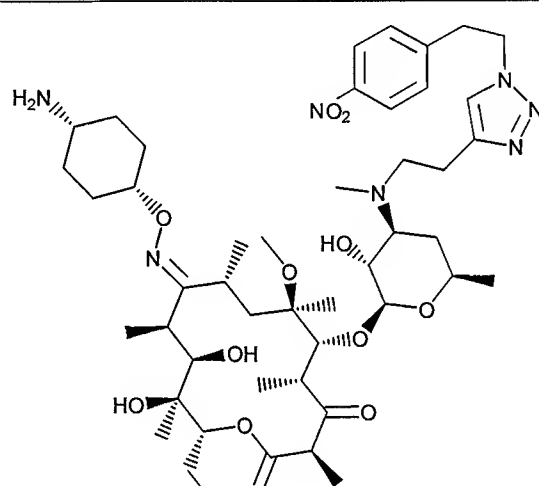
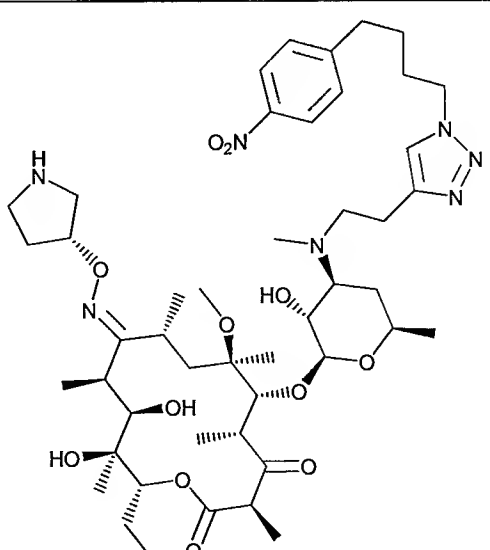
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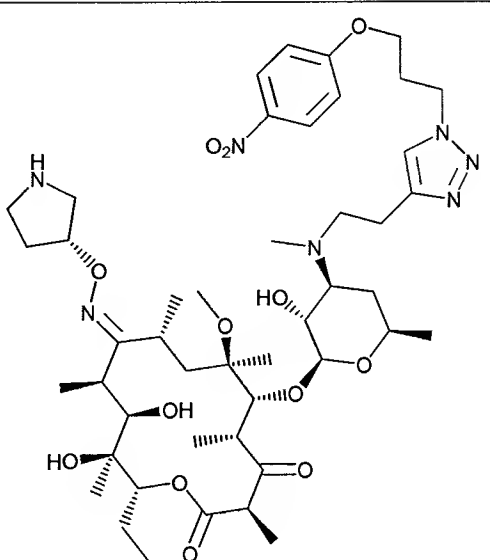
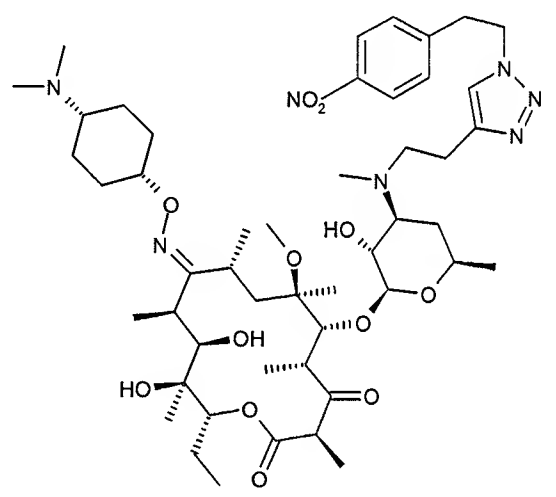
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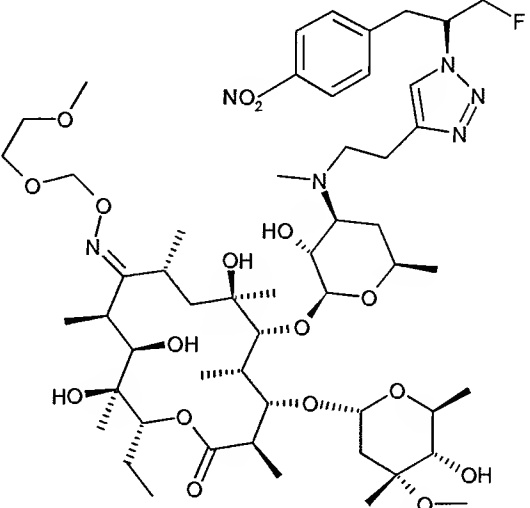
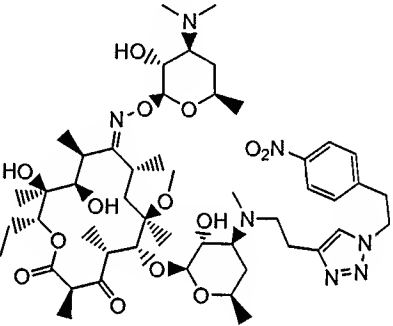
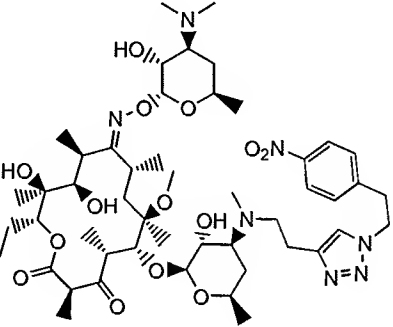
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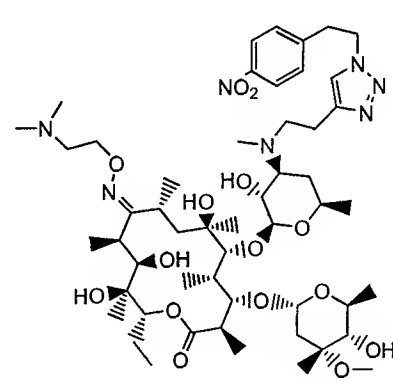
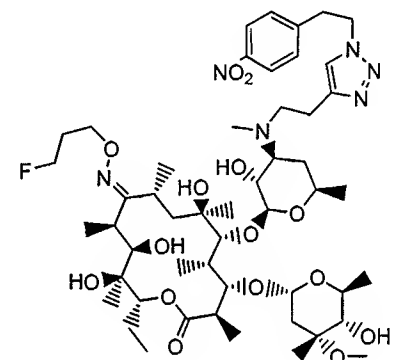
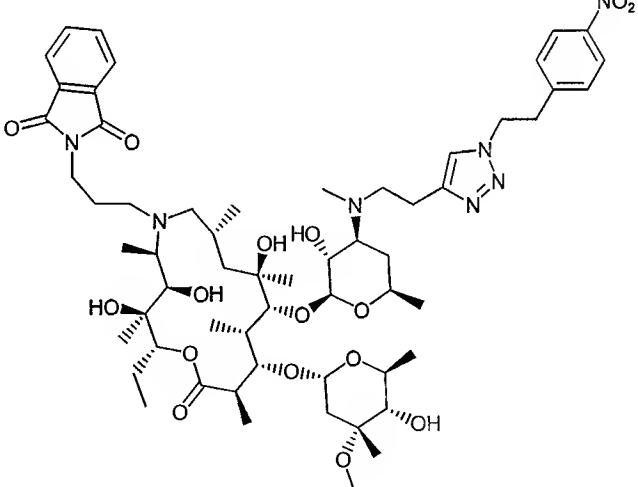
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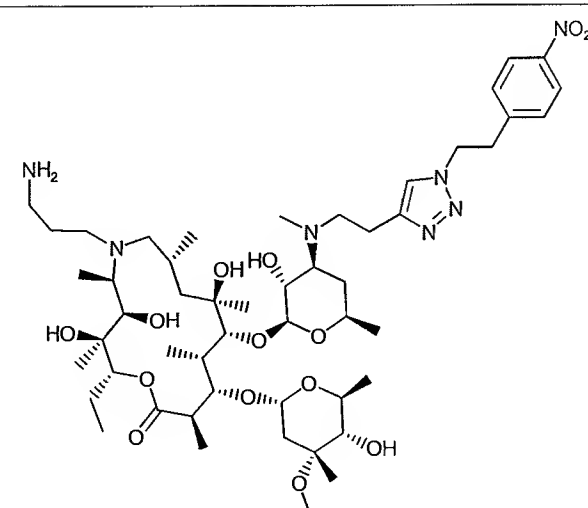
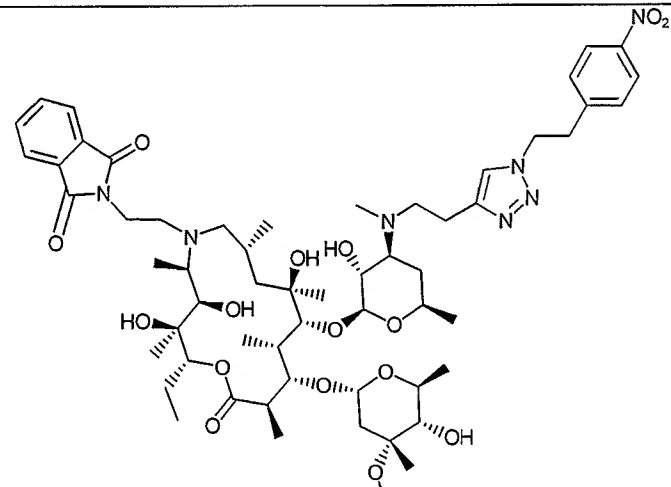
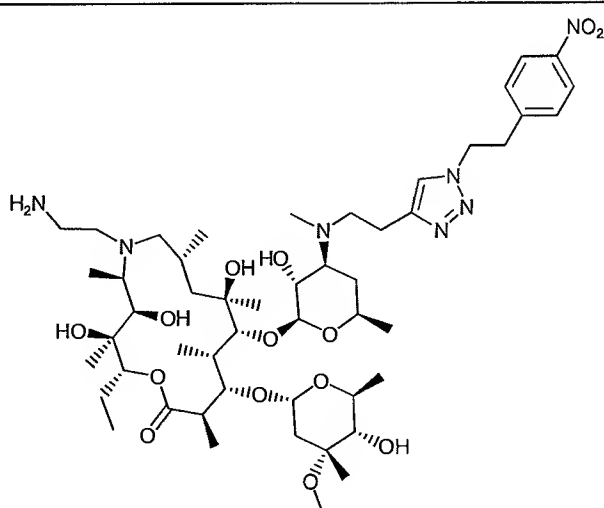
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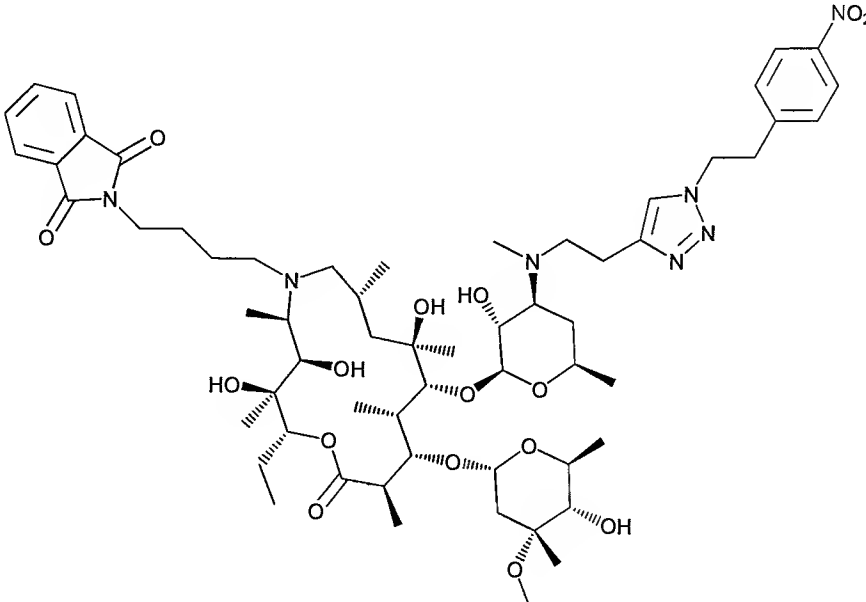
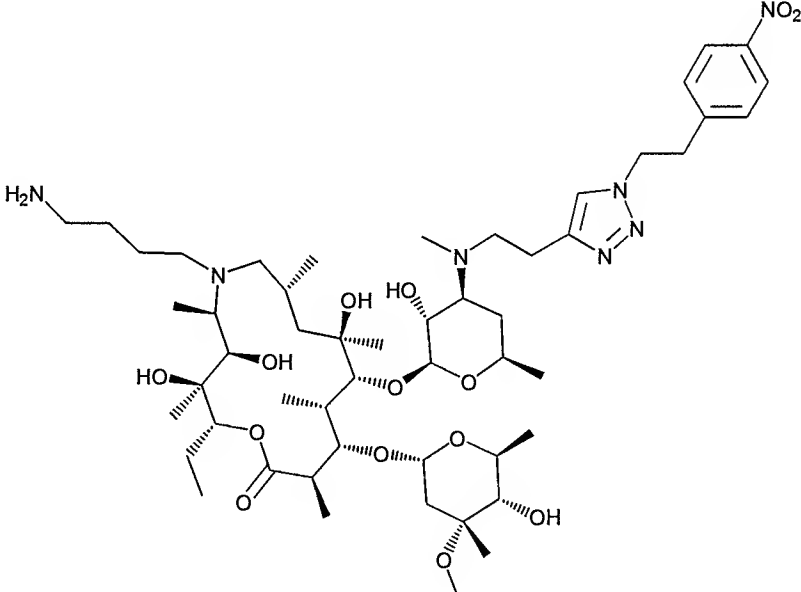
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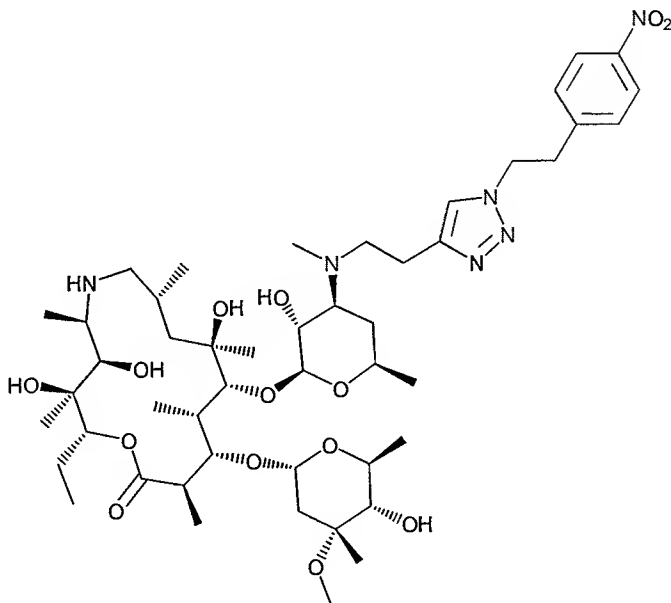
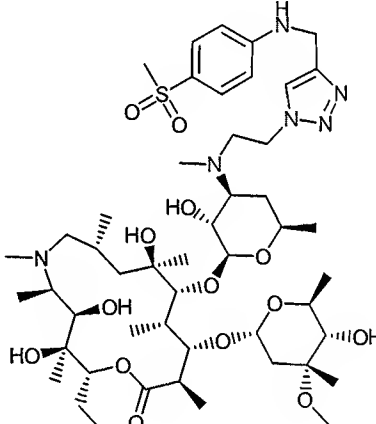
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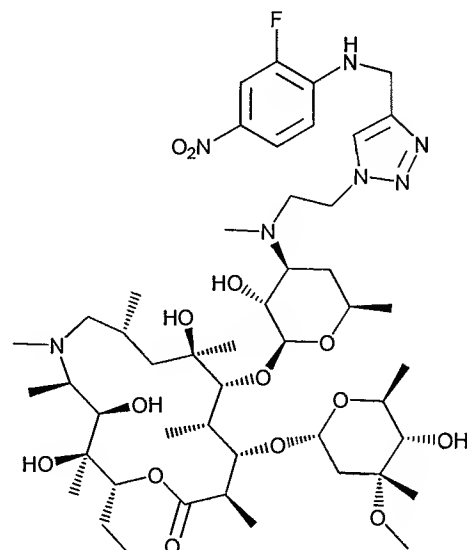
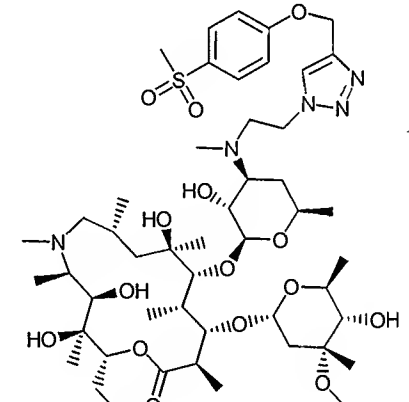
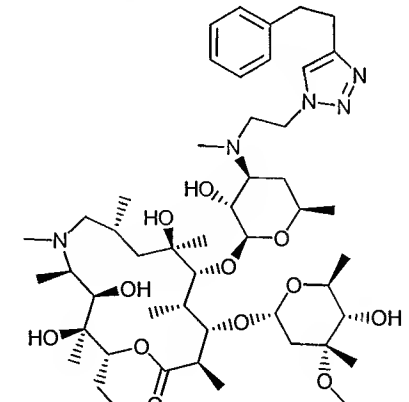
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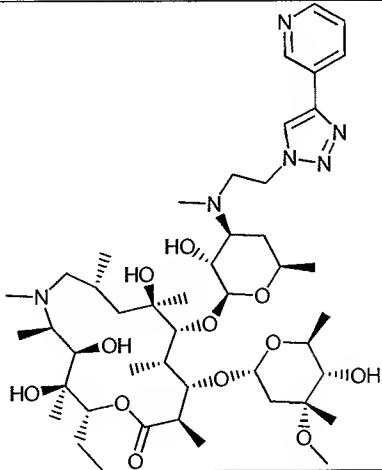
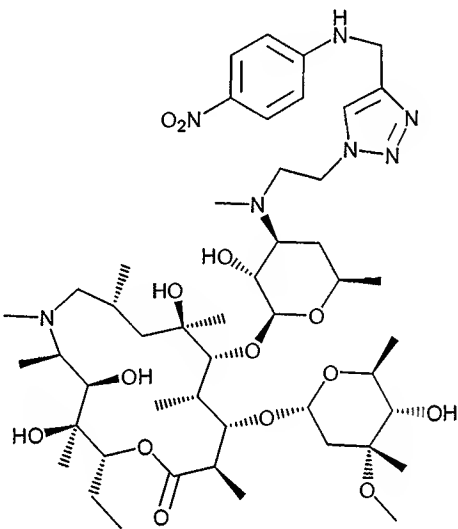
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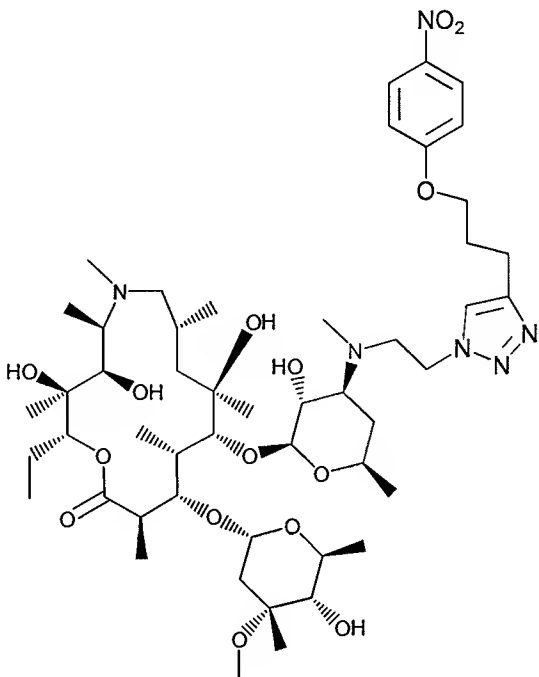
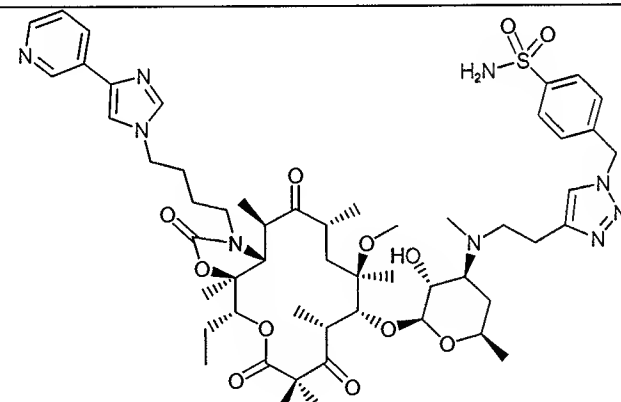
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| 461 |  <p>Chemical structure 461: A complex molecule featuring a central bicyclic core with multiple hydroxyl groups and a carbonyl group. It is substituted with a 3-aminopropyl group, a 4-nitrophenyl group via a triazole linker, and a 4-methoxyphenyl group.</p> |
| 462 |  <p>Chemical structure 462: A complex molecule featuring a central bicyclic core with multiple hydroxyl groups and a carbonyl group. It is substituted with a 4-nitrophenyl group via a triazole linker, a 4-methoxyphenyl group, and a benzamide group.</p> |
| 463 |  <p>Chemical structure 463: A complex molecule featuring a central bicyclic core with multiple hydroxyl groups and a carbonyl group. It is substituted with a 3-aminopropyl group, a 4-nitrophenyl group via a triazole linker, and a 4-methoxyphenyl group.</p> |

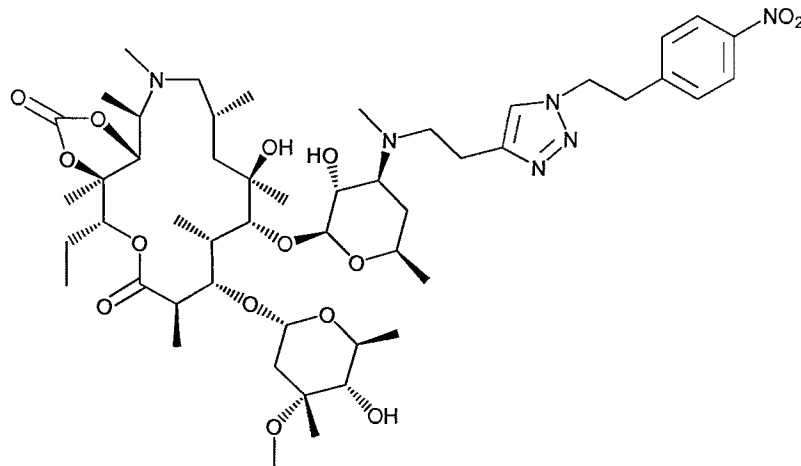
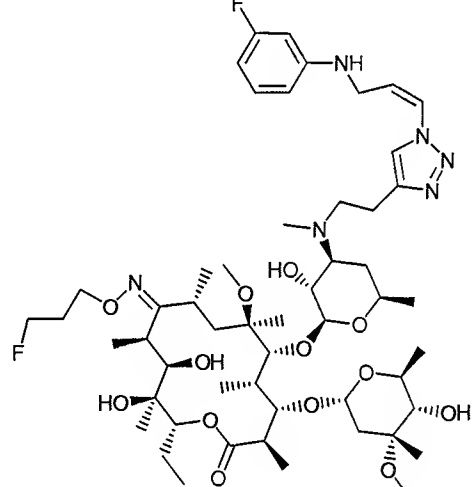
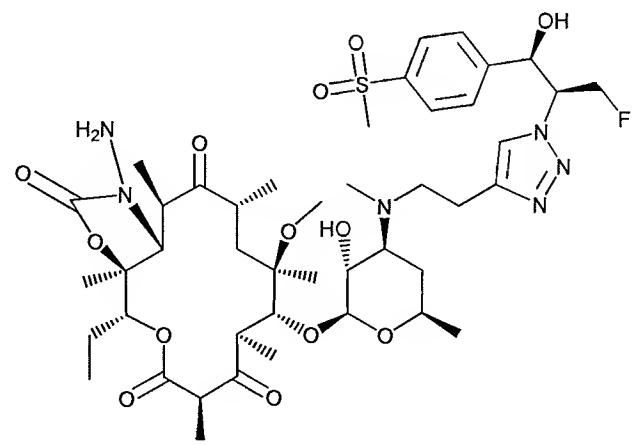
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| 464 |  <p>Chemical structure 464 is a complex molecule. It features a central bicyclic core with multiple hydroxyl groups and a carbonyl group. The molecule is substituted with a phenylisoindolinone group, a 4-nitrophenyl group, and a 1,2,4-triazole group.</p> |
| 465 |  <p>Chemical structure 465 is a complex molecule, similar to 464, but with a primary amine group (H₂N) instead of the phenylisoindolinone group.</p> |

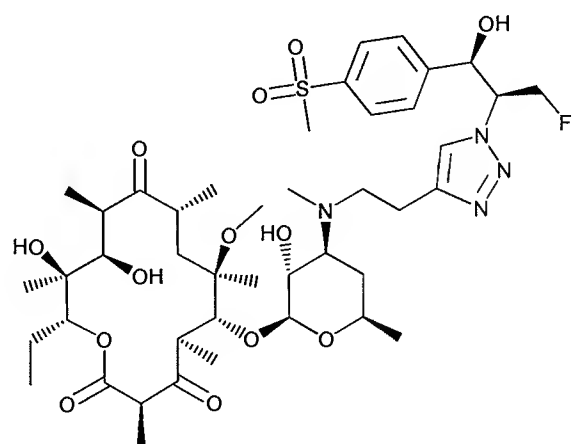
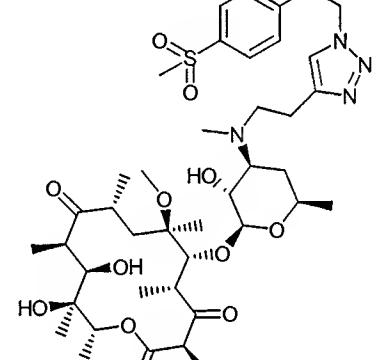
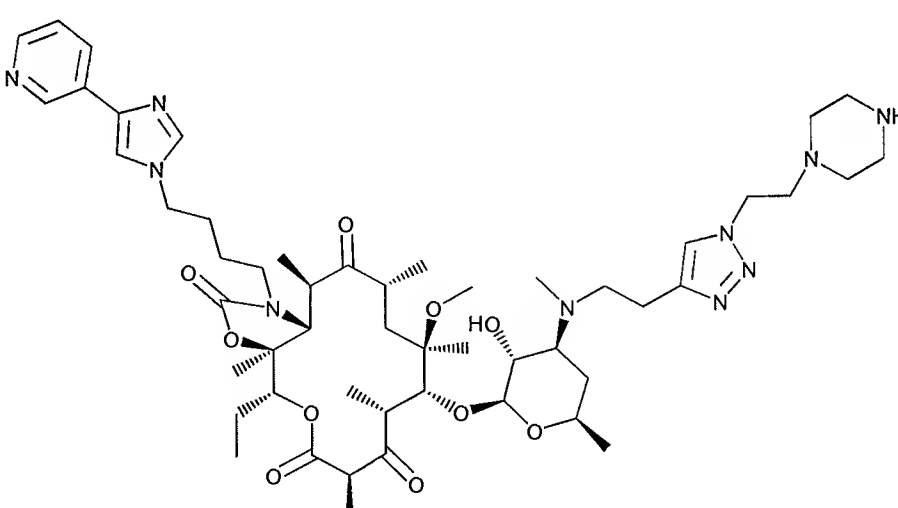
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| 466 |  <p>Chemical structure of compound 466, a complex molecule featuring a central sugar moiety (likely a disaccharide) with multiple hydroxyl groups and a methyl group. The structure is substituted with a 4-nitrophenyl group via a triazole ring, and a methyl group is attached to the sugar moiety.</p> |
| 550 |  <p>Chemical structure of compound 550, a complex molecule featuring a central sugar moiety (likely a disaccharide) with multiple hydroxyl groups and a methyl group. The structure is substituted with a 4-sulfamoylphenyl group via a triazole ring, and a methyl group is attached to the sugar moiety.</p> |

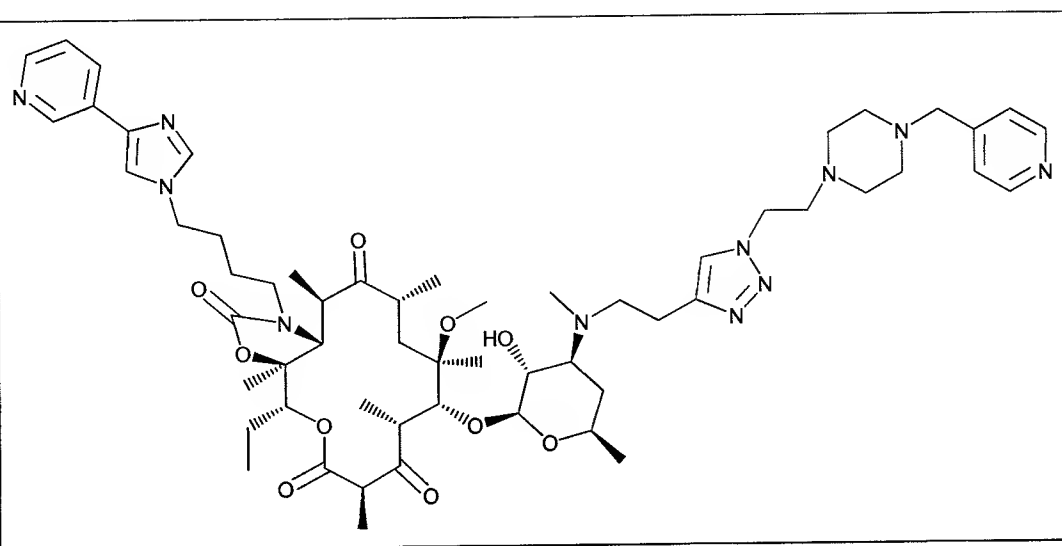
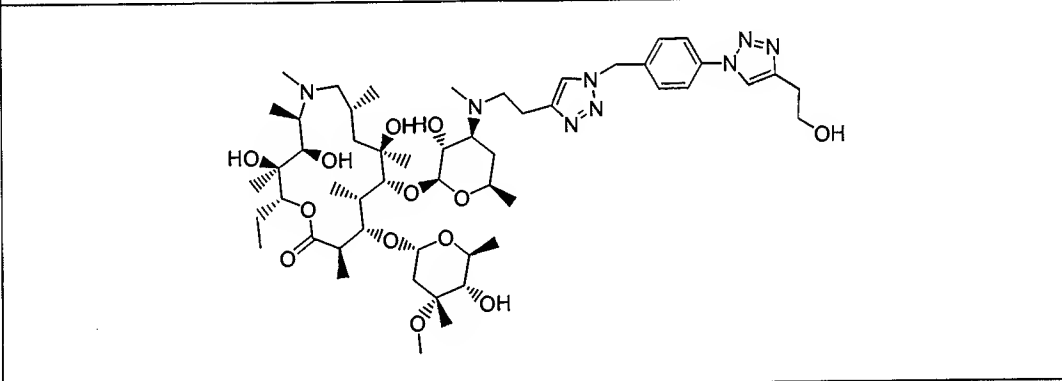
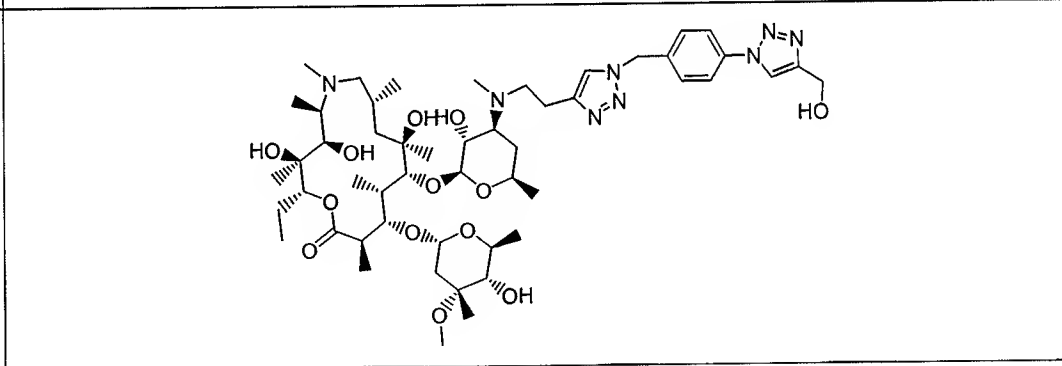
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| 551 |  <p>Chemical structure 551 is a complex molecule featuring a central bicyclic core with multiple hydroxyl groups and a carbonyl group. It is substituted with a 4-fluoro-3-nitrophenyl group and a 1H-1,2,4-triazol-4-ylmethyl group via a dimethylamino linker.</p> |
| 552 |  <p>Chemical structure 552 is a complex molecule featuring a central bicyclic core with multiple hydroxyl groups and a carbonyl group. It is substituted with a 4-methylsulfonylphenyl group and a 1H-1,2,4-triazol-4-ylmethyl group via a dimethylamino linker.</p> |
| 553 |  <p>Chemical structure 553 is a complex molecule featuring a central bicyclic core with multiple hydroxyl groups and a carbonyl group. It is substituted with a 2-phenyl-1H-1,2,4-triazol-4-ylmethyl group via a dimethylamino linker.</p> |

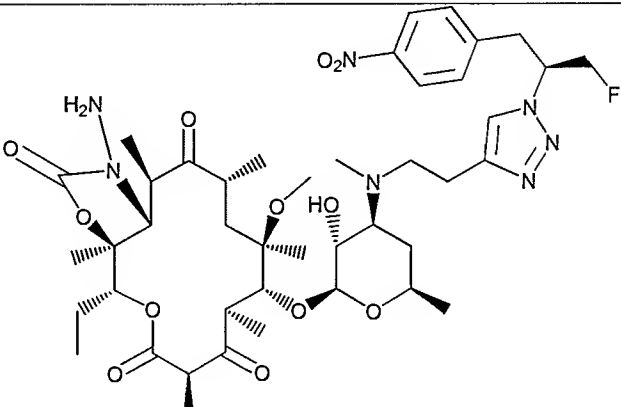
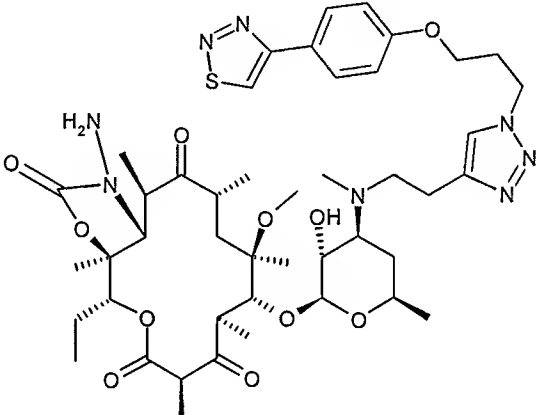
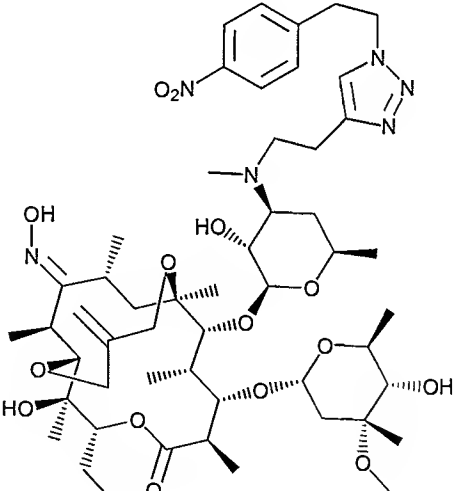
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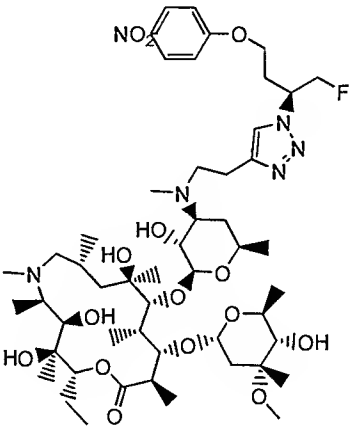
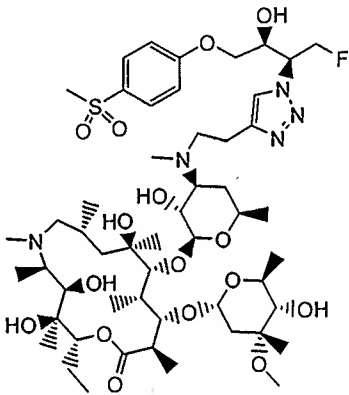
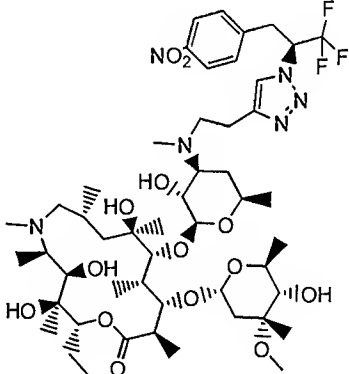
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| 556 |  <p>Chemical structure of compound 556, a complex polycyclic molecule. It features a central core with multiple fused rings, including a pyranose ring and a furanose ring. The structure is substituted with a 4-nitrophenyl group via an ether linkage, a 1,2,4-triazole ring, and a 1,3-dioxane ring. Stereochemistry is indicated with wedges and dashes.</p> |
| 601 |  <p>Chemical structure of compound 601, a complex polycyclic molecule. It features a central core with multiple fused rings, including a pyranose ring and a furanose ring. The structure is substituted with a 4-pyridyl group via a triazole ring, a 1,2,4-triazole ring, and a 1,3-dioxane ring. Stereochemistry is indicated with wedges and dashes.</p> |

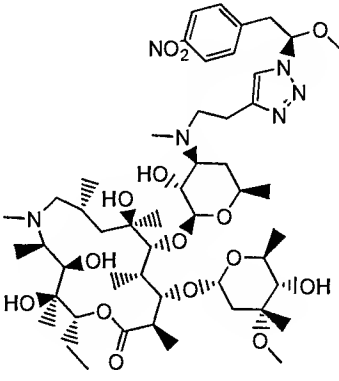
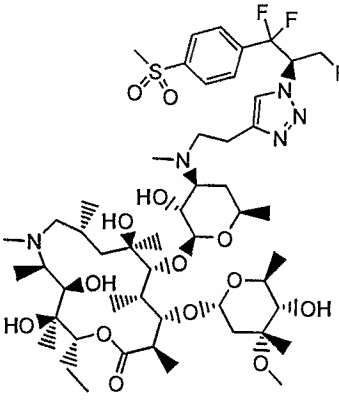
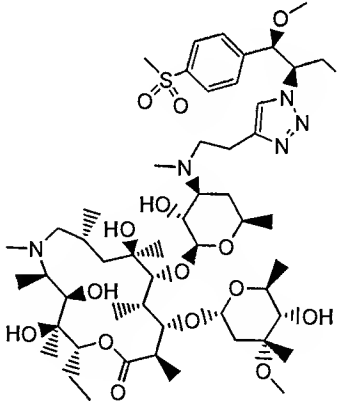
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| 602 |  <p>Chemical structure 602 is a complex molecule featuring a central bicyclic core with multiple hydroxyl groups and a nitrophenyl group. The structure includes a central bicyclic system with several hydroxyl groups and a nitrophenyl group attached via a linker.</p> |
| 608 |  <p>Chemical structure 608 is a complex molecule featuring a central bicyclic core with multiple hydroxyl groups and a fluorophenyl group. The structure includes a central bicyclic system with several hydroxyl groups and a fluorophenyl group attached via a linker.</p> |
| 610 |  <p>Chemical structure 610 is a complex molecule featuring a central bicyclic core with multiple hydroxyl groups and a sulfonamido group. The structure includes a central bicyclic system with several hydroxyl groups and a sulfonamido group attached via a linker.</p> |

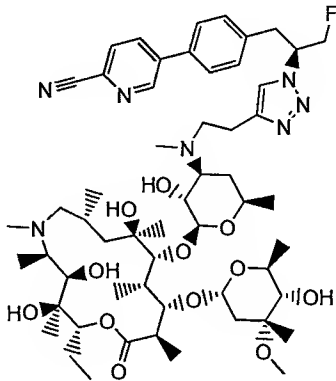
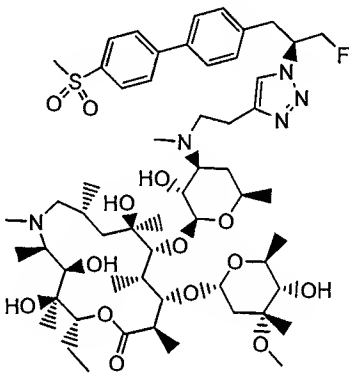
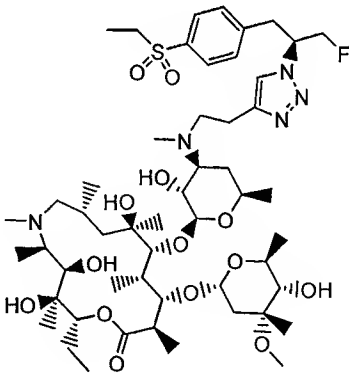
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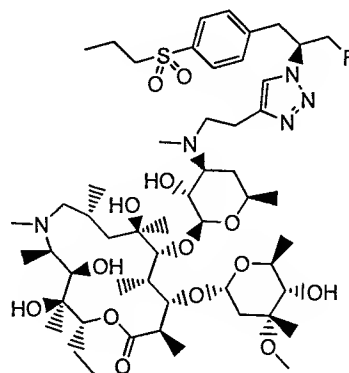
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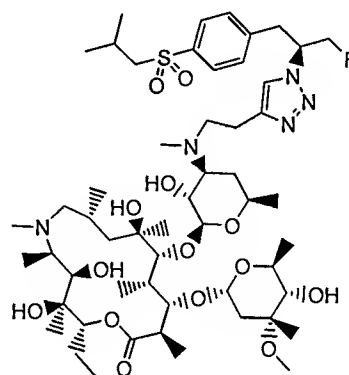
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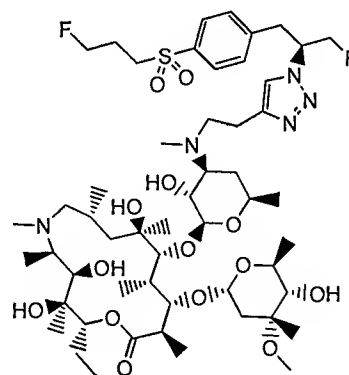
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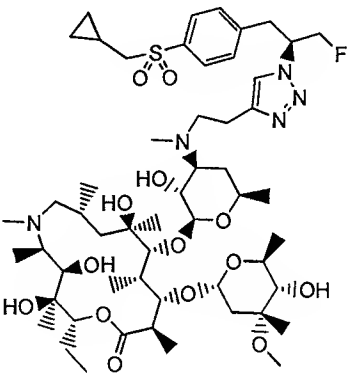
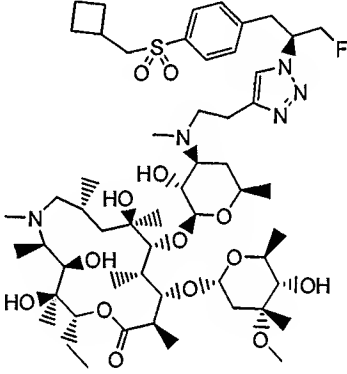
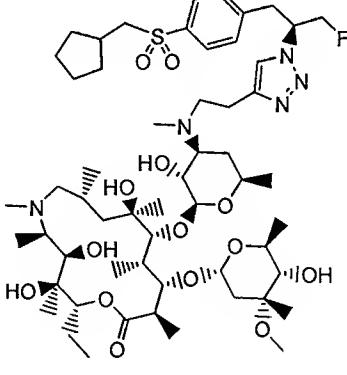


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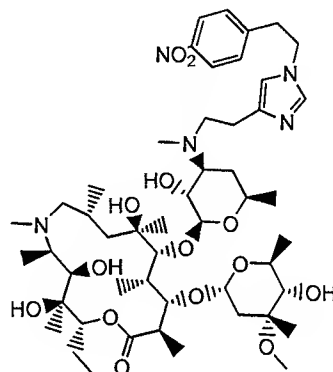


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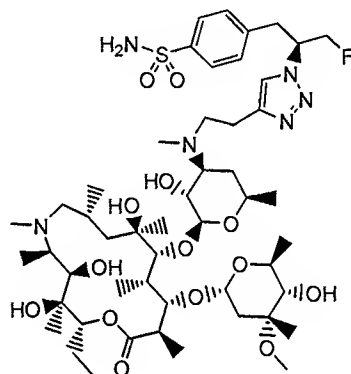


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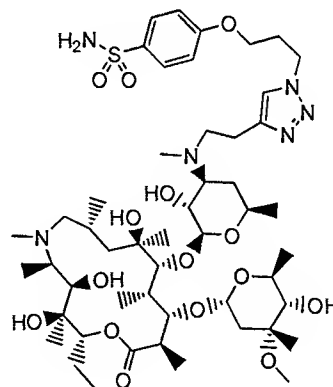
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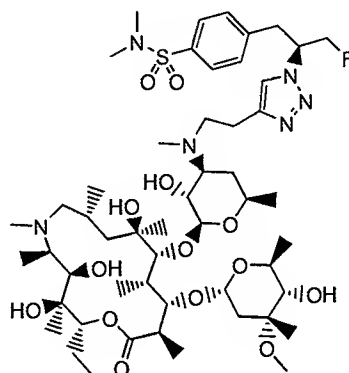
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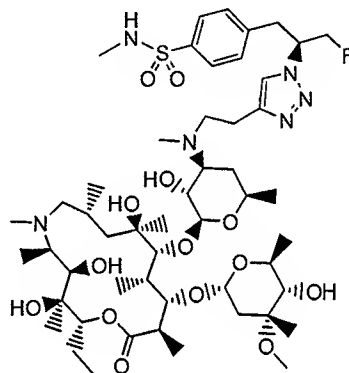
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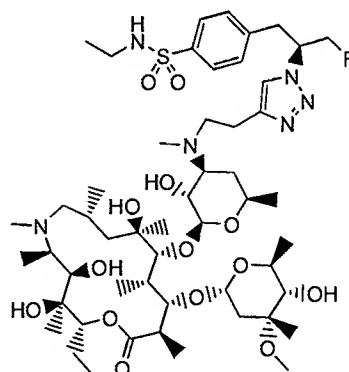
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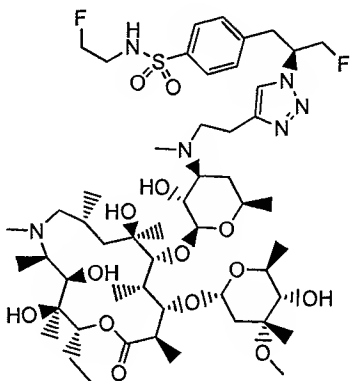
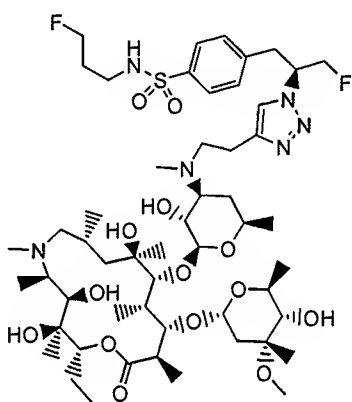
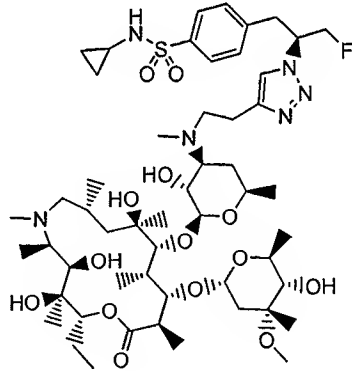


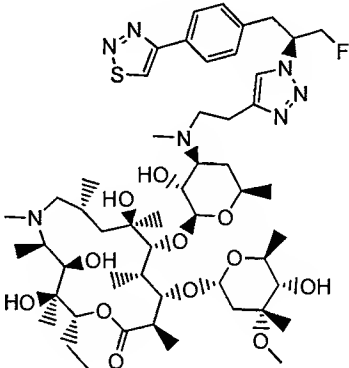
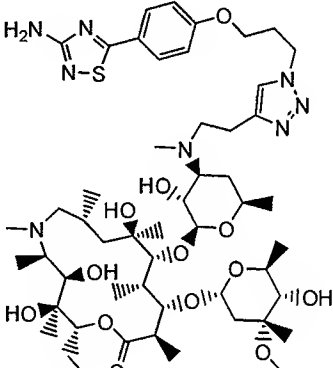
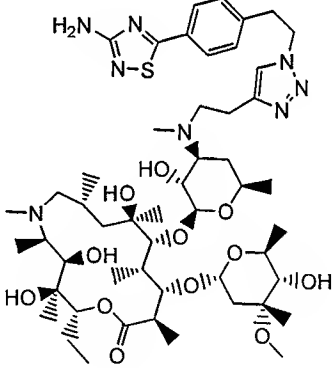
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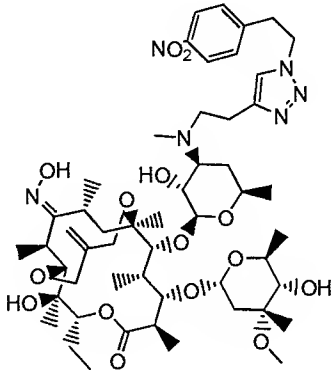
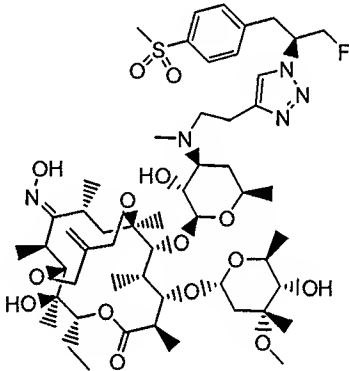
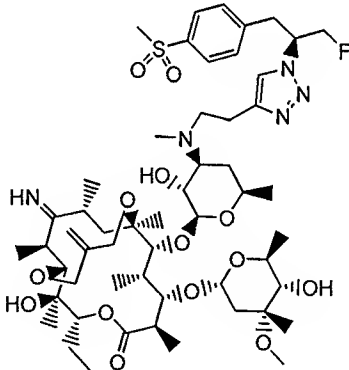


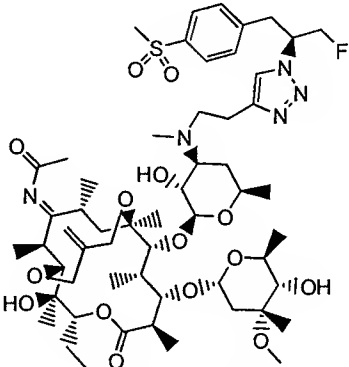
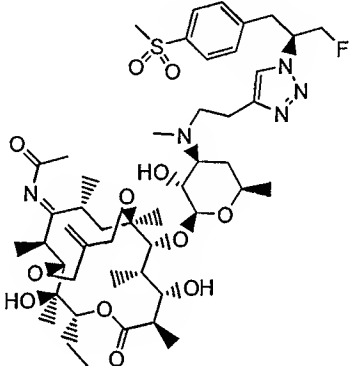
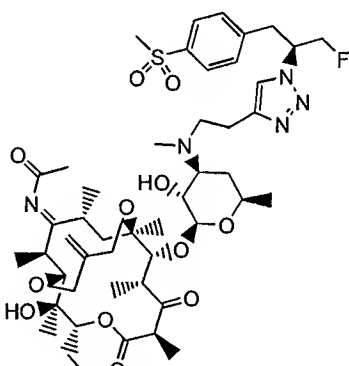
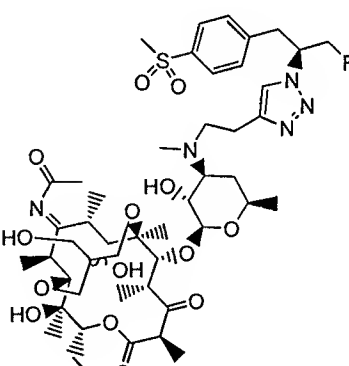
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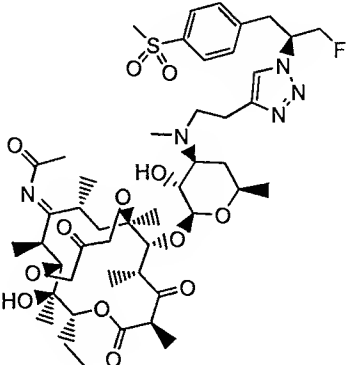
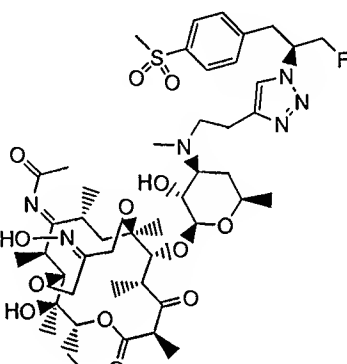
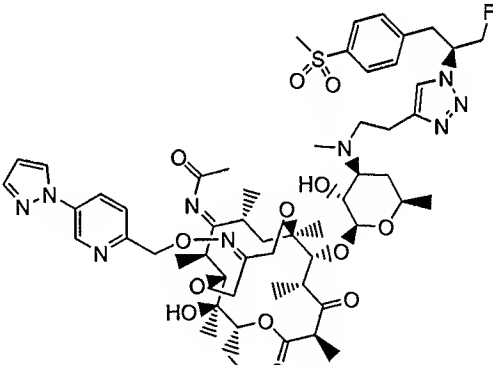
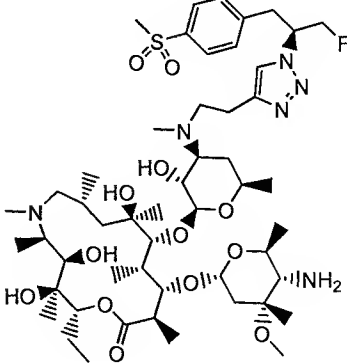


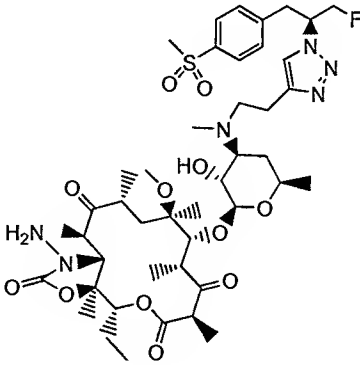
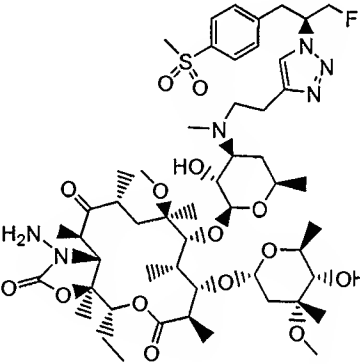
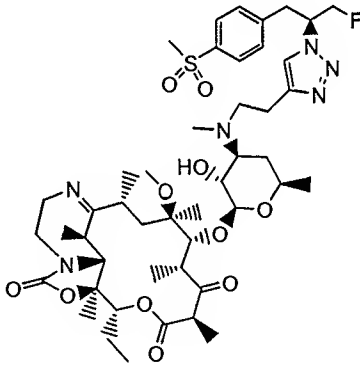
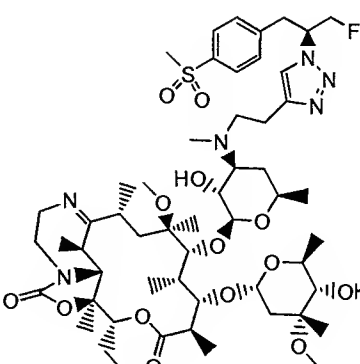
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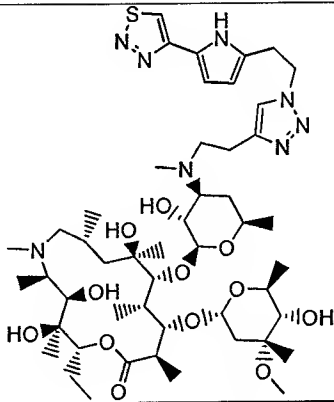
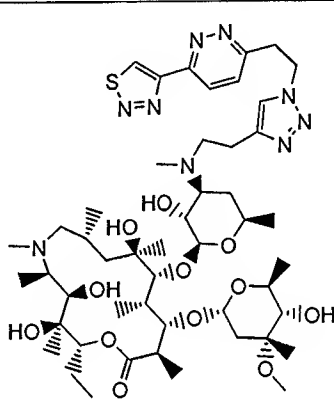
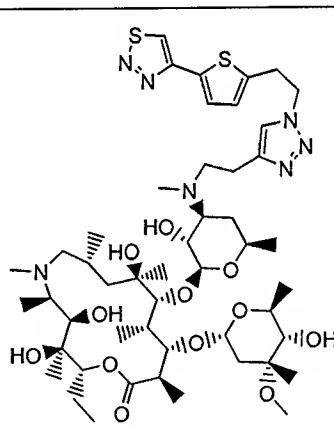
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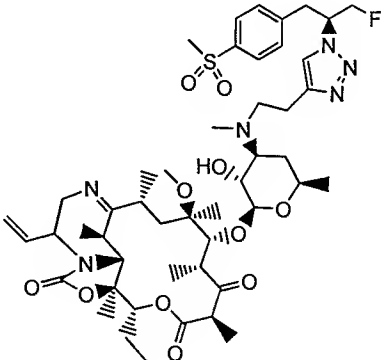
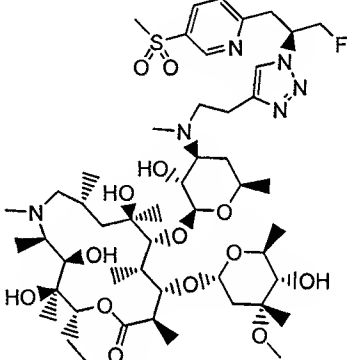
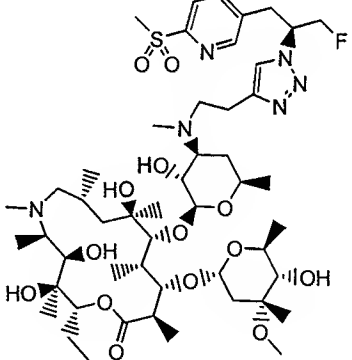
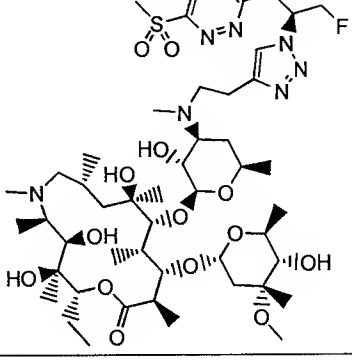
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| 728 |  <p>Chemical structure 728 is a complex molecule featuring a central bicyclic core with multiple hydroxyl groups and a nitro-substituted phenyl ring attached via a triazole linker.</p> |
| 729 |  <p>Chemical structure 729 is a complex molecule featuring a central bicyclic core with multiple hydroxyl groups and a sulfonyl-substituted phenyl ring attached via a triazole linker.</p> |
| 730 |  <p>Chemical structure 730 is a complex molecule featuring a central bicyclic core with multiple hydroxyl groups and a sulfonyl-substituted phenyl ring attached via a triazole linker.</p> |

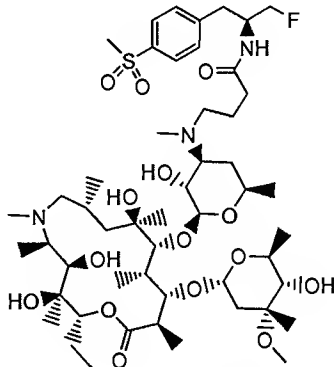
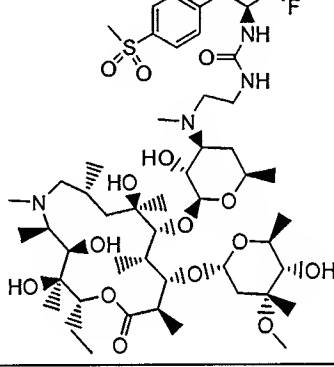
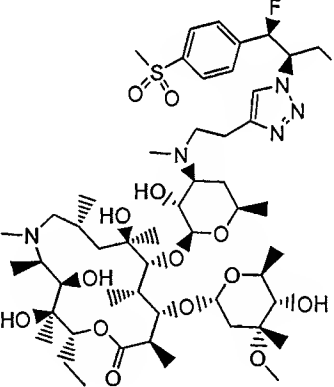
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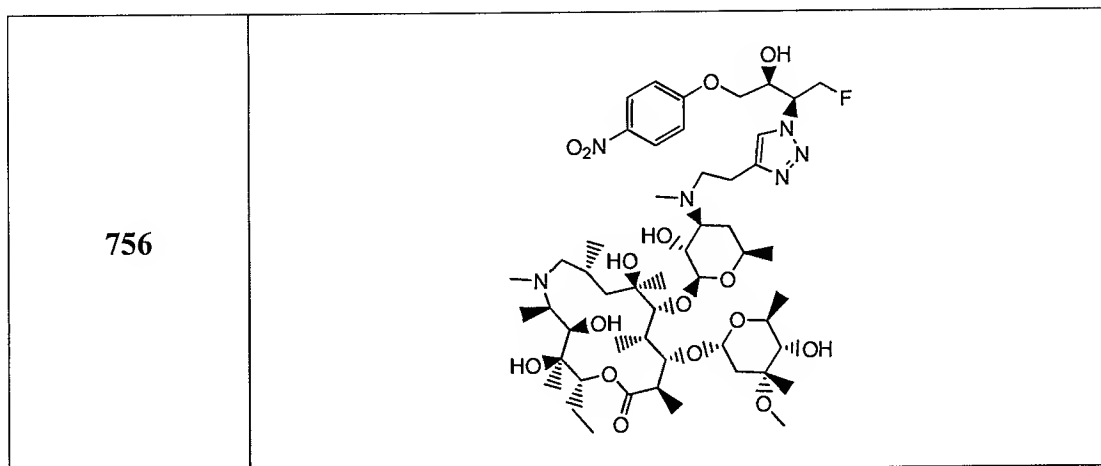
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| 753 |  <p>Chemical structure 753 is a complex molecule. It features a central bicyclic core with multiple hydroxyl groups and a side chain containing a sulfonamide group and a fluorinated amine.</p> |
| 754 |  <p>Chemical structure 754 is a complex molecule. It features a central bicyclic core with multiple hydroxyl groups and a side chain containing a sulfonamide group and a fluorinated amine.</p> |
| 755 |  <p>Chemical structure 755 is a complex molecule. It features a central bicyclic core with multiple hydroxyl groups and a side chain containing a sulfonamide group and a fluorinated amine.</p> |



or a pharmaceutically acceptable salt, or ester thereof.

19. **(Previously Presented)** A pharmaceutical composition comprising a compound according to claim 1 and a pharmaceutically acceptable carrier.

20. **(Previously Presented)** A method for treating a bacterial infection in a mammal comprising administering to a mammal in need thereof an effective amount of a compound according to claim 1.

21. - 35. **(Canceled)**.

36. **(Previously Presented)** The method according to claim 20 wherein the compound is administered orally, parentally, or topically.

37. **(Canceled)**

38. **(Previously Presented)** A medical device containing a compound according to claim 1.

39. **(Previously Presented)** The medical device according to claim 38, wherein the device is a stent.